Well Number: 00369

Makepeace, T. 283418639
80,339.89
Unknown Driller

Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 639
AEP: 283418
Date Started: No
Date Completed: No
Licence No.: Easting: 80,339.89
Northing: 5,910,355.50

Well Number: 31-050-26 W4M

Well Owner: Makepeace, T.

Drilling Method: Bored
Well Use: Domestic

Completed Depth 15.2 (m)
NPWL (m): 6.1
Verified NPWL (m):
Abandonment: No

Casings:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liners:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Holes:
from (m): to

Pumps:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/2/98

Database: Project: AEP Data: Yes Well Field Verified: No

AEP: 1.000H

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
**EH 32-050-26 W4M**  
**Well Number: 00374**

**Well Owner:** Shearer Properties Ltd  
**Elevation (AMSL) (m):** 637

**Drilling Contractor:** Unknown Driller  
**AEP:** 283423

**Licence No.:**  
**Date Started:**  
**Date Completed:**

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<th>Depth Elevation (BGL) (AMSL) (m)</th>
<th>Lithologic Description</th>
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**Laboratory:**  
**pH (pH unit):** COD Mercury  
**Cond. (µS/cm):** SAR Nickel  
**TDS:** TKN Selenium  
**Sodium:** Nitrate Strontium  
**Potassium:** Nitrite Molybdenum  
**Calcium:** TN Vanadium  
**Magnesium:** TC Zinc  
**Carbonate:** DIC Hydroxide  
**Bicarbonate:** Aspartic Total Hardness  
**Aluminum:** Barium Manganese  
**Sulphate:** Beryllium Phosphate  
**Chloride:** Cadmium Ion Balance  
**Fluoride:** Chromium Amm. Nitrogen  
**Iron:** Cobalt Total Phosphate  
**TOC:** Copper Total Alkalinity  
**Silica:** Lead Nitrate&Nitrite N  

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** Federal Well Survey
- **Drilling Method:** Bored
- **Well Use:** Domestic & Stock
- **Completed Depth:** 15.5 m (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD
  - **Cond. (µS/cm):** SAR Nickel
  - **TDS:** TKN Selenium
  - **Sodium:** Nitrate Strontium
  - **Potassium:** Nitrite Molybdenum
  - **Calcium:** TN Vanadium
  - **Magnesium:** TC Zinc
  - **Carbonate:** DIC Hydroxide
  - **Bicarbonate:** Arsenic Total Hardness
  - **Aluminum:** Barium Manganese
  - **Sulphate:** Beryllium Phosphate
  - **Chloride:** Cadmium Ion Balance
  - **Fluoride:** Chromium Amm. Nitrogen
  - **Iron:** Cobalt Total Phosphate
  - **TOC:** Copper Total Alkalinity
  - **Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
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<td>Chloride</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orthophosphate</td>
<td></td>
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</tr>
<tr>
<td>Total Hardness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**General:**
- **Type of Work:** Structure Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Industrial  
- **Completed Depth:** 301.7 m  
- **NPWL (m):** 73,251.84  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
**General:**

- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 303.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

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<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>TDS</td>
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<td>Magnesium</td>
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<td>Iron</td>
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<tr>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Electric Log:** Yes
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Printed on:** 2/20/98
**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic

**completed depth:**
- NPWL (m): [m] Verified NPWL (m): [m]
- Abandonment:

**casing:**
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): to

**liner:**
- OD (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**open hole:**
- from (m): to

**pump:**
- Model:

**testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

**laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- Lead:
- Mercury:
- Nickel:
- Strontium:
- Molybdenum:
- Vanadium:
- Zinc:
- Hydroxide:
- Total Hardness:
- Manganese:
- Phosphate:
- Ion Balance:
- Amm. Nitrogen:
- Total Phosphate:
- Total Alkalinity:
- Nitrate & Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 00585**

**Well Owner:** Wurban, H.
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 701
**AEP:** 283894
**Date Started:**
**Easting:** 72,584.51
**Date Completed:**
**Northing:** 5,908,633.50

**Licence No.:** Easting:

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Database:** 1.000H
**Project:**
**AEP Data:** Yes
**Well Field Verified:** No

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**TOC:**
**Cadmium:**
**Copper:**
**Cobalt:**
**Iron:**
**TOC:**
**Silica:**
**Calcium:**
**Phosphate:**
**Magnesium:**
**Zinc:**
**Nitrite:**
**Molybdenum:**
**Sodium:**
**Total Hardness:**
**Barium:**
**Sulphate:**
**Beryllium:**
**Chloride:**
**Cadmium:**
**Chromium:**
**Iron:**
**Iron:**
**DIN:**
**Hydroxide:**
**DIN:**
**DIN:**
**DIN:**

**printed on 2/20/98**
### Well Information

**Well Number:** 00586

**Well Owner:** Goebel

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 701

**AEP:** 283904

**Date Started:**

**Easting:** 70,099.07

**Northing:** 5,909,532.00

**Date Completed:**

#### General:

- **Type of Work:** Federal Well Survey
- **Drilling Method:** Hand Dug
- **Well Use:** Stock
- **Completed Depth:** 6.1 (m)
- **NPWL (m):** Verified NPWL (m):

#### Abandonment:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

#### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

#### Lithologic Description

*(No Lithologic Information Available)*

#### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Size:** from (m): to Size:

#### Screen:

- **Material:**
- **OD (mm):** Thickness (mm):
- **Size:** from (m): to Size:

#### Open Hole:

- **from (m):** to

#### Pump:

- **Model:** Intake (m):

#### Testing:

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

#### Laboratory:

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<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<td>Cobalt</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
</tr>
</tbody>
</table>

#### Other Information:

- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Printed on 2/20/98*
13-30-050-27 W4M

Well Owner: Goebel
Drilling Contractor: Unknown Driller

Well Number 00587

Elevation (AMSL) (m): 701
Licence No.: 283907
Date Started: 70,099.07
Date Completed: 5,909,322.00

Well General:
Type of Work: Federal Well Survey
Drilling Method: Hand Dug
Well Use: Domestic
Completed Depth 8.5 (m)
NPWL (m): 5.5 Verified NPWL (m): 
Abandonment: 

Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
13-30-050-27 W4M  

Well Number: 00588  

Well Owner: Goebel  
Drilling Contractor: Unknown Driller  
Elevation (AMSL) (m): 701  
AEP: 283906  
Licence No.: Easting: 70,099.07  
Date Started: Northing: 5,909,532.00  
Date Completed:  

**General:**  
Type of Work: Federal Well Survey  
Drilling Method: Bored  
Well Use: Stock  
Completed Depth 17.7 (m)  
NPWL (m): 11.6  
Verified NPWL (m):  
Abandonment:  

**Casing:**  
Type:  
Depth (m): Bottom (m):  
OD (mm): Thickness (mm):  
Seal Type:  
from (m): to  

**Liner:**  
Type:  
OD (mm): Thickness (mm):  
Top (m): Bottom (m):  
Perforated How:  
from (m): to Size:  
from (m): to Size:  
from (m): to Size:  

**Screen:**  
Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size:  
from (m): to Size:  

**Open Hole:**  
from (m): to  

**Pump:**  
Model: Intake (m):  
Rec'd intake (m):  
Rec'd Rate (lpm):  
Testing:  
Rate (lpm): Time (minute):  
Level End (m): Drawdown (m):  
Pump: Intake (m):  
Testing:  
Rate (lpm): Time (minute):  
Level End (m): Drawdown (m):  
Pump: Intake (m):  
Testing:  
Rate (lpm): Time (minute):  
Level End (m): Drawdown (m):  

**Laboratory:**  
COD Mercury  
SAR Nickel  
TKN Selenium  
Nitrate Strontium  
Nitrite Molybdenum  
Beryllium Phosphate  
Cadmium Ion Balance  
Arsenic Total Hardness  
Barium Manganese  
Beryllium Phosphate  
Chromium Amm. Nitrogen  
Cobalt Total Phosphate  
Copper Total Alkalinity  
Lead Nitrate & Nitrite N  

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  

**Database:**  
Electric Log: No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes Well Field Verified: No  

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completion Details:
- **Completed Depth:** 93.0 m (m)
- **NPWL (m):** 17.5 m
- **Verified NPWL (m):**
- **Abandonment:**

### Casings:
- **Type:** Galvanized Steel
- **Depth (m):** 74.7
- **Bottom (m):** 74.7
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Drive Shoe
- **from (m):** 73.2
- **to:** 74.7

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Screen:
- **Material:**
- **OD (mm):**
- **Bottom (m):**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 72.5

### Testing:
- **Rate (lpm):** 17.1
- **Time (minute):** 420.0
- **Level End (m):** 61.9
- **Drawdown (m):** 44.5
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **SAR (µS/cm):**
- **TDS (mg/l):**
- **Sodium (mg/l):**
- **Nitrate (mg/l):**
- **Potassium (mg/l):**
- **Calcium (mg/l):**
- **Magnesium (mg/l):**
- **Carbonate (mg/l):**
- **Bone (mg/l):**
- **Aluminum (mg/l):**
- **Beryllium (mg/l):**
- **Chloride (mg/l):**
- **Fluoride (mg/l):**
- **Iron (mg/l):**
- **TOC (mg/l):**
- **Silica (mg/l):**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes

### Water Well Information:
- **Well Number:** 00589
- **Elevation (AMSL) (m):** 700
- **Well Owner:** Pike
- **Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.
- **Easting:** 71,418.98
- **Northing:** 5,908.641.00
- **Date Started:** 1.000H
- **Date Completed:** 29 Sep 76
- **Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 00590**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

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<th>General</th>
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<tr>
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<td>(m) (m)</td>
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<td>Drilling Method: Unknown</td>
<td>Lithologic Description</td>
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<td>Completed Depth 18.3</td>
<td>7.6 692.7 Clay</td>
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<td>NPWL (m):</td>
<td>18.3 682.0 Shale</td>
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</table>

*Chemical Constituents are in mg/l (ppm). Except as noted.*

<table>
<thead>
<tr>
<th>Testing:</th>
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<tbody>
<tr>
<td>Electric Log: No</td>
<td>Transmissivity: m²/day</td>
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<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<tr>
<td>Aquifer Test: No</td>
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<td>Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**Remarks:**

- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Well Owner:** Texaco Canada #Sp89a

**Elevation (AMSL) (m):** 700

**AEP:** 283910

**Licence No.:** Easting: 71,222.00

**Date Started:** Northing: 5,908,203.85

**Date Completed:** 16 Mar 55
### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 46.9 (m) 
- **NPWL (m):** 13.7  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Lithologic Description:**
  - 6.7 699.8 Clay Yellow  
  - 7.3 699.2 Stones  
  - 9.8 696.7 Clay Yellow  
  - 15.2 691.2 Shale Green  
  - 18.3 688.2 Shale Sandy Gray  
  - 21.3 685.1 Shale Green  
  - 22.9 683.6 Shale Sandy Gray  
  - 25.9 680.6 Shale Green  
  - 29.0 677.5 Shale Sandy Gray  
  - 30.5 676.0 Shale Green  
  - 34.4 672.0 Shale Sandy Gray  
  - 36.6 669.9 Shale Green  
  - 46.9 659.5 Shale Sandy Gray

### Casing:
- **Type:** Plastic  
- **Depth (m):** 25.0  
- **Bottom (m):** 25.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 25.0

### Liner:
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 21.9  
- **Bottom (m):** 46.0  
- **Perforated How:**  
  - **from (m):** to 46.0  
  - **from (m):** to 46.0  
  - **from (m):** to 46.0

### Screen:
- **Material:**  
- **OD (mm):**  
  - **from (m):** to  
  - **from (m):** to  
  - **from (m):** to  
- **Open Hole:**  
  - **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 15.2  
- **Drawdown (m):** 1.5  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Hydroxide:**  
- **Carbonate:**  
- **DIC:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite:**  
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
NE 30-050-27 W4M

Well Number: 00592

Well Owner: Ritter, Martin
Drilling Contractor: Schellenberger M

Elevation (AMSL) (m): 706
Licence No.: 283908
Date Started: 70,652.93
Northing: 5,909,515.50
Date Completed: 22 Jun 64

Well Number: 00592

Elevation (AMSL) (m): 706
Licence No.: 283908
Date Started: 70,652.93
Northing: 5,909,515.50
Date Completed: 22 Jun 64

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 32.3 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 12.2 Bottom (m): 12.2
- OD (mm): 90.4 Thickness (mm):
- Seal Type: Driven
- from (m): to

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:
- Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 18.2 Time (minute): 180.0
- Level End (m):
- Drawdown (m): 18.3
- Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminum:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

print ed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 29.9 m
- **NPWL:** 7.0 m
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 20.1
  - **Bottom (m):** 20.1
  - **OD (mm):** 90.4
  - **Thickness:**
    - from (m): to
- **Seal Type:** Driven
- **Well Use:** Domestic

### Lithologic Description
- 4.6 m: 696.5 Sand
- 13.7 m: 687.3 Clay
- 17.7 m: 683.3 Sand
- 18.9 m: 682.1 Clay
- 29.9 m: 671.2 Shale

### Drilling Method:
- **Elevation (AMSL) (m):** 701
- **Easting:** 70,107.71
- **Northing:** 5,909,537.50
- **Date Started:** 29 May 61
- **Date Completed:**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Nitrate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrite:**
- **Molybdenum:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Iron:**
- **Arsenic:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Total Phosphate:**
- **Total Ammonia Nitrogen:**
- **Total Alkalinity:**
- **Total Nitrate and Nitrite:**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
Well Number: 00594

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 42.7 (m)
NPWL (m): 15.2
Abandonment:

Casing:
Type: Steel
Depth (m): 13.4
OD (mm): 141.2
Thickness (mm): 0.1
Seal Type: Benseal
from (m): 12.8
to (m):

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 10.7
Bottom (m): 42.7

Perforated How: Hand Drill
from (m): 24.4
to 42.7
Size:
from (m):
to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 42.7

Testing:
Rate (lpm): 22.8
Time (minute): 120.0
Level End (m): 42.7
Drawdown (m): 24.4
Rec'd intake (m):
Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 30-050-27 W4M**

**Well Owner:** Learning, Wm.

Drilling Contractor: Unknown Driller

**Elevation (AMSL) (m): 699**

AEP: 168083

**Date Started:**

**Date Completed:**

**Licence No.:**

**Easting:** 71,088.04

**Northing:** 5,908,319.50

---

**General:**

| Type of Work: | Chemistry |
| Drilling Method: | Unknown |
| Well Use: | Domestic |
| Completed Depth: | 41.2 (m) |
| NPWL (m): | Verified NPWL (m): |
| Abandonment: | |

**Casing:**

| Type: | |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: | |
| from (m): | to |

**Liner:**

| Type: | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | |
| from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

**Screen:**

| Material: | |
| OD (mm): | Thickness (mm): |
| from (m): | to | Size: |
| from (m): | to | Size: |

**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): |

**Testing:**

| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

**Laboratory:**

| pH (pH unit) | COD |
| Cond. (µS/cm) | SAR |
| TDS | TKN |
| Sodium | Nitrate |
| Potassium | Nitrite |
| Calcium | TN |
| Magnesium | TC |
| Carbonate | DIC |
| Bicarbonate | Arsenic |
| Aluminium | Barium |
| Sulphate | Beryllium |
| Chloride | Cadmium |
| Fluoride | Chromium |
| Iron | Cobalt |
| TOC | Copper |
| Silica | Lead |
| DIC | Hydroxide |
| Electric Log: | No |
| Gamma Log: | No |
| Aquifer Test: | No |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 6.1 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

#### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

#### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calciunm:** TN Vanadium
- **Magnesiuim:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Depth Elevation
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<th>BGL (m)</th>
<th>AMSL (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

#### Lithologic Description
(No Lithologic Information Available)

### Water Well Positioned by PFRA in 10TM NAD 27

### Electric Log: No Transmissivity: m³/day
- **Gamma Log: No** Storativity:
- **Aquifer Test: No** Project: Database: **1.000H**
- **AEP Data: Yes** Well Field Verified: **No**

---

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 33.5 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Unknown

**Casing:**
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm):
  - Seal Type:
    - Thickness (mm):
  - from (m):
    - to

**Liner:**
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
    - Bottom (m):
  - Perforated How:
    - from (m):
      - to
    - Size:
    - from (m):
      - to
    - Size:
    - from (m):
      - to
    - Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m):
    - to
  - Size:
  - from (m):
    - to
  - Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL):**
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<th>(m)</th>
<th>Lithologic Description</th>
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<td>1.5</td>
<td>702.5</td>
<td>Clay Silty Light Yellow</td>
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<td>3.1</td>
<td>701.0</td>
<td>Clay Sandy Greenish Gray</td>
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<td>4.6</td>
<td>699.4</td>
<td>Silt Light Green</td>
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<td>Siltstone Light Green</td>
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<td>9.1</td>
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<td>Sandstone Fine Grained White</td>
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<td>10.7</td>
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<td>13.7</td>
<td>690.3</td>
<td>Siltstone &amp; Sandstone White</td>
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<td>15.2</td>
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<td>18.3</td>
<td>685.7</td>
<td>Siltstone &amp; Sandstone White</td>
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<tr>
<td>33.5</td>
<td>670.5</td>
<td>Siltstone &amp; Sandstone White</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number 00598

Well Owner: Miller, John  
Drilling Contractor: Schuster Fred

Elevation (AMSL) (m): 704  
AEP: 283925
Licence No.:  
Easting: 70,851.84
Date Started:  
Northing: 5,911,004.50
Date Completed: 05 Sep 58

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<th>General:</th>
<th>Depth Elevation</th>
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<tr>
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<td>(BGL) (AMSL)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>(m) (m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
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<td>Completed Depth 25.3 (m)</td>
<td>1.8 702.2 Sand</td>
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<td>NPWL (m): 4.0</td>
<td>5.2 698.8 Clay</td>
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<td>Verified NPWL (m):</td>
<td>9.4 694.6 Clay Sandy</td>
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<tr>
<td>Abandonment:</td>
<td>10.1 693.9 Rocks</td>
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<td>Casing:</td>
<td>17.4 686.6 Clay Sandy</td>
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<td>Type: Steel</td>
<td>25.3 678.7 Hard Pan</td>
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<td>7.4 694.6 Clay Sandy</td>
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<td>Bottom (m): 20.4</td>
<td>10.1 693.9 Rocks</td>
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<tr>
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<td>11.4 360.0</td>
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<tr>
<td>from (m): to</td>
<td>No</td>
</tr>
<tr>
<td>Liner:</td>
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<td>Thickness (mm):</td>
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<td>Top (m): to</td>
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<td>Bottom (m): from (m): to</td>
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<td>Perforated How:</td>
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<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<td>OD (mm): from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>Open Hole:</td>
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<td>from (m): to</td>
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<td>Pump:</td>
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<td>Model: Intake (m):</td>
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<td>Level End (m): Drawdown (m):</td>
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<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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</tr>
</tbody>
</table>

Laboratory:

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | | |
| Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No  
Transmissivity: m²/day
Gamma Log: No  
Storativity:
Aquifer Test: No  
Project: Database: 1.000H
AEP Data: Yes  
Well Field Verified: No

print on 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
  - NPWL (m): 4.6
  - Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 12.2
- **Bottom (m):** 12.2
- **OD (mm):** 115.8
- **Thickness (mm):** 0.0
- **Seal Type:** Driven
- **from (m):** to 12.2

## Liner:
- **Type:**
- **OD (mm):** 76.2
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 36.6
- **Perforated How:** Machine
  - **from (m):** to 36.6
  - **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 12.2

## Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 7.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Nickel:**
- **Selenium:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **Manganese:**
- **TC:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate/Nitrite N:**

## Electric Log:
- **Transmissivity:** m³/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**
- **Database:** 1.000H

## AEP Data:
- **Yes** Well Field Verified: No

### Lithologic Description
- **Depth (m):**
- **Elevation (BGL) (m):**
- **Lithologic Description:**
  - 7.6 696.0 Clay Sandy
  - 7.9 695.7 Sand & Gravel
  - 12.5 691.1 Shale
  - 15.9 687.8 Sandstone
  - 16.8 686.9 Shale
  - 18.3 685.3 Sandstone
  - 29.9 673.8 Shale
  - 33.8 669.8 Sandstone
  - 35.4 668.3 Shale
  - 35.7 668.0 Sandstone
  - 36.6 667.1 Shale

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
NW 31-050-27 W4M

Well Owner: Giese, W.
Drilling Contractor: Schellenberger M

Depth Elevation
(BGL) (AMSL)

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<td>73.2</td>
<td>630.3</td>
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<td>74.7</td>
<td>628.8</td>
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</table>

Lithologic Description

- Sand
- Clay
- Sandstone
- Shale

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 74.7 (m)
- NPWL (m): 6.4
- Verifed NPWL (m):
- Abandonment:
- Type: Steel
- Depth (m): 19.8
- Bottom (m): 19.8
- OD (mm): 90.4
- Thickness (mm):
- Seal Type: Driven
- from (m): to

Casing:
- Type:
- Depth (m):
- Bottom (m):
- OD (mm):
- Thickness (mm):
- Top (m):
- Perforated How:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

Screen:
- Material:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):

Open Hole:
- from (m): to
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Bottom (m):
- from (m): to
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Pump:
- Jet
- Model:
- Intake (m):
- Rate (lpm): 9.1
- Time (minute): 240.0
- Level End (m): 73.2
- Drawdown (m): 66.8
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:

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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Elevation (AMSL) (m): 703
AEP: 283913
Licence No.: Easting: 70,184.39
Date Started: Northing: 5,810,841.00
Date Completed: 27 Jul 63
### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 70.1 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:

- **Type:** Steel  
- **Depth (m):** 45.7  
- **Bottom (m):** 45.7  
- **OD (mm):** 141.2  
- **Thickness (mm):**  
- **Seal Type:** Driven  
  - from (m):  
  - to 45.7  

### Liner:

- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):** 70.1  
- **Perforated How:** Torch  
  - from (m):  
  - to 70.1  
  - Size:  
  - from (m):  
  - to Size:  
  - from (m):  
  - to Size:  

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to Size:**  
- **from (m):**  
- **to Size:**  
- **Open Hole:**  
  - from (m):  
  - to  

### Pump:

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 16.0  
- **Time (minute):** 240.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 61.0  

### Laboratory:

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### Electric Log:

- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 00602**

**Well Owner:** Unguran, Wayne  
**Drilling Contractor:** Unknown Driller

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
SE 31-050-27 W4M

Well Owner: Giese, Harvey
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number 00603

Elevation (AMSL) (m): 705
AEP: 283911
Licence No.: Easting: 71,295.46
Date Started: 29 Sep 84 Northing: 5,810,023.50
Date Completed: 01 Oct 84

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 46.9 (m)
NPWL (m): 6.1
Abandonment:

Casing:
Type: Steel
Depth (m): 21.0 Bottom (m): 21.0
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 21.0

Liner:
Type:
OD (mm): 114.3 Thickness (mm):
Top (m): 21.0 Bottom (m): 46.0

Perforated How: Machine
from (m): 21.0 to 46.0 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 27.4

Testing:
Rate (lpm): 22.8 Time (minute): 420.0
Level End (m): 27.4 Drawdown (m): 21.3
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

 printed on 2/20/98
**General:**
- Type of Work: Federal Well Survey
- Drilling Method: Hand Dug
- Well Use: Domestic & Stock
- Elevation (AMSL) (m): 704
- Licence No.: Easting: 71,564.00
- Date Started: Northing: 5,911,114.50
- Date Completed:
- Well Owner: Gehlert, S.

### Depth Elevation

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<tbody>
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<td>(m)</td>
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</table>

### Casing:
- Type:
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

### Liner:
- Type:
  - OD (mm):
  - Top (m):
  - from (m): to
  - Perforated How:
    - from (m): to
    - to Size:
    - from (m): to
    - Size:

### Screen:
- Material:
  - OD (mm):
  - from (m): to
  - from (m): to

### Open Hole:
- from (m): to

### Pump:
- Model:
- Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

### Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- AEP Data: Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Well Use:** Domestic
- **Completed Depth:** 65.2 m
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 18.9
- **Bottom (m):** 18.9
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** 18.9

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 30.5

## Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
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- **Magnesium:**
- **TC:**
- **DIC:**
- **Bicarbonate:**
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- **Molybdenum:**
- **Arsenic:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Chromium:**
- **Fluoride:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Barium:**
- **Total Hardness:**
- **Beryllium:**
- **Iron:**
- **Cobalt:**
- **Total Alkalinity:**
- **Total Nitrate:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 299.3 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

<table>
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<tr>
<th>Chemical Constituents</th>
<th>Unit</th>
</tr>
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<tr>
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<tr>
<td>Cond. (µS/cm)</td>
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</tr>
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<td>TOC</td>
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<td>Silica</td>
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<tr>
<td>COD</td>
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<td>Zinc</td>
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<td>Hydroxide</td>
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<td>Total Hardness</td>
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<td>Total Phosphate</td>
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<td>Total Alkalinity</td>
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<td>Bicarbonate</td>
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</tr>
<tr>
<td>Copper</td>
<td></td>
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</table>
| Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Database:** 1.000H

### Project:
- **AEP Data:** Yes
- **Well Field Verified:** No

---

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

printed on 2/20/98
## General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 59.7 (m)  
- **NPWL (m):** 27.4  
- **Abandonment:**

## Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 21.6  
- **Bottom (m):** 21.6  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  

## Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Perforated How:** from (m): to  
  - **Size:**  
- **Top (m):**  
- **Bottom (m):**  

## Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
  - **Size:**  
- **from (m):** to  
  - **Size:**  
- **from (m):** to  
  - **Size:**

## Open Hole:
- **from (m):** to  

## Pump:
- **Sub:**  
- **Model:** McDougall  
- **Intake (m):**

## Testing:
- **Rate (lpm):** 11.4  
- **Time (minute):** 470.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):** 27.4  
- **Rec’d Rate (lpm):**

## Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite:**  

### Chemical Constituents are in mg/l (ppm). Except as noted.

## Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 00607  
---

**Well Owner:** Gehlert, Ted  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.  
---

**Elevation (AMSL) (m):** 704  
**Licence No.:**  
**Date Started:** 02 Aug 68  
**Date Completed:** 02 Aug 68  
**Easting:** 72,426.05  
**Northing:** 5,911,173.00  
---

**Well Number:** NE 32-050-27 W4M  
---

**Elevation (AMSLL) (m):** 28,394.2  
**Drilling Contractor:** Northing: 5,911,173.00
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 79.2 m
- **NPWL (m):** 7.6
- **Verified NPWL (m):** 7.6
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 18.9
- **Bottom (m):** 18.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 18.9

### Liner:
- **Type:** Driven
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Top (m):** 18.0
- **Bottom (m):** 79.2
- **Perforated How:** Machine
- **from (m):** to 18.9
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 61.0

### Testing:
- **Rate (lpm):** 16.0
- **Time (minute):** 480.0
- **Level End (m):** 61.0
- **Drawdown (m):** 53.3
- **Rec'd intake (m):** 76.2
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chloride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate
- **Sodium:** Phosphate
- **Strontium:** Bicarbonate
- **Magnesium:** Carbonate
- **Calcium:** Bicarbonate
- **Magnesium:** Carbonate
- **Calcium:** Bicarbonate

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>2.7</td>
<td>701.2</td>
<td>Clay Brown</td>
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<tr>
<td>6.7</td>
<td>697.3</td>
<td>Sand</td>
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<td>16.5</td>
<td>687.5</td>
<td>Clay Gray</td>
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<td>18.9</td>
<td>685.1</td>
<td>Shale Green</td>
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<tr>
<td>21.9</td>
<td>682.0</td>
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<tr>
<td>25.3</td>
<td>678.7</td>
<td>Shale Green</td>
</tr>
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<td>27.7</td>
<td>676.2</td>
<td>Sandstone Water Bearing</td>
</tr>
<tr>
<td>40.8</td>
<td>663.1</td>
<td>Shale Greenish Gray</td>
</tr>
<tr>
<td>41.8</td>
<td>662.2</td>
<td>Sandstone Fine Grained</td>
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<tr>
<td>49.1</td>
<td>654.9</td>
<td>Shale</td>
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<td>652.5</td>
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<tr>
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<td>644.9</td>
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<td>62.5</td>
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<td>639.4</td>
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<td>64.9</td>
<td>639.1</td>
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</tr>
<tr>
<td>79.2</td>
<td>624.7</td>
<td>Shale</td>
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</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**Well Number:** 00609

**Well Owner:** Gehlert, Norman

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 704

**Licence No.:** AEP: 283936

**Date Started:** 16 Aug 77

**Easting:** 71,560.73

**Date Completed:** 17 Aug 77

**Northing:** 5,911,092.00

---

### General:

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<td>Drilling Method:</td>
<td>Rotary</td>
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<td>Well Use:</td>
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<td>NPWL (m):</td>
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<td>Verified NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

### Casing:

| Type: | Steel |
| Depth (m): | 16.1 |
| Bottom (m): | 16.1 |
| OD (mm): | 141.2 |
| Thickness (mm): | |
| Seal Type: | Formation Seal |
| from (m): | to 16.1 |

### Liner:

| Type: | |
| OD (mm): | 114.3 |
| Thickness (mm): | |
| Top (m): | Bottom (m): 50.6 |
| Perforated How: | Torch |
| from (m): | to 50.6 |
| from (m): | to Size: |
| from (m): | to Size: |

### Screen:

| Material: | |
| OD (mm): | |
| from (m): | to Size: |
| from (m): | to Size: |

### Open Hole:

| from (m): | to |

### Pump:

| Model: | Intake (m): 21.3 |
| Rate (lpm): | 22.8 |
| Time (minute): | 420.0 |
| Level End (m): | 21.3 |
| Drawdown (m): | 16.8 |
| Rec’d intake (m): | |
| Rec’d Rate (lpm): | |

### Laboratory:

| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS: | TKN | Selenium |
| Sodium: | Nitrate | Strontium |
| Potassium: | Nitrite | Molybdenum |
| Calcium: | TN | Vanadium |
| Magnesium: | TC | Zinc |
| Carbonate: | DIC | Hydroxide |
| Bicarbonate: | Arsenic | Total Hardness |
| Aluminium: | Barium | Manganese |
| Sulphate: | Beryllium | Phosphate |
| Chloride: | Cadmium | Ion Balance |
| Fluoride: | Chromium | Amm. Nitrogen |
| Iron: | Cobalt | Total Phosphate |
| TOC: | Copper | Total Alkalinity |
| Silica: | Lead | Nitrate&Nitrite N |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
SE 32-050-27 W4M

Well Owner: Miller, Erwin
Drilling Contractor: Schellenberger M

Well Number: 00610
Elevation (AMSL) (m): 703
 Licence No.: 283927
Easting: 72,257.24
Date Started:
Northing: 5,909,915.50
Date Completed: 04 Jun 60

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<th>Depth Elevation</th>
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<td>(BGL) (AMSL)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<td>Completed Depth: 38.7</td>
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<tr>
<td>Casing:</td>
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<td>Type: Steel</td>
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<td>Depth (m):</td>
<td>Bottom (m):</td>
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<td>Seal Type: Driven</td>
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<td>from (m): to</td>
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<td>Liner:</td>
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<tr>
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<td>Top (m):</td>
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<td>Rec’d intake (m):</td>
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Laboratory:

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
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<td>TDS</td>
<td>TKN</td>
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<td>Nitrate</td>
<td>Strontium</td>
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<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Vanadium</td>
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<tr>
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<td>Lead</td>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 32-050-27 W4M**

**Well Number:** 00611

**Well Owner:** Miller, Tery

**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 703

**AEP:** 283928

**Licence No.:** Easting: 72,257.24

**Date Started:** 30 Jun 77

**Northing:** 5,909,915.50

**Date Completed:** 09 Jul 77

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 52.7 m

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):

**Seal Type:** Driven

- **from (m):** to **31.7**

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** Bottom (m): 51.2

**Perforated How:** Torch

- **from (m):** 31.7 to 51.2
- **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**

**Laboratory:**

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic

**Completed Depth:** 30.5 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): to

**Liner:**
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate & Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) (m) (m)**

**Lithologic Description**

*(No Lithologic Information Available)*

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Casing:
- **Type:** Driller
- **Depth (m):** 73,585.07
- **OD (mm):** 5,910,291.50
- **Elevation (AMSL) (m):** 73,585.07

### Lithologic Description
(No Lithologic Information Available)

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Laboratory Chemical Constituents:
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrates:**
- **Selenium:**
- **Nitrites:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Beryllium:**
- **Phosphates:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Receiv’d intake (m):**
- **Rec’d Rate (lpm):**
- **Intake (m):**
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **AEP Data:** Yes
- **Database:** 1.000H
- **Project:**
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completion Details:
- **Completed Depth:** 56.1 m
- **NPWL (m):** 10.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 29.6
- **Bottom (m):** 29.6
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Formation Seal
- **from (m):**
- **to:** 29.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 29.6
- **Bottom (m):** 55.2

### Perforated How:
- **Torch
- **from (m):** 29.6
- **to:** 55.2
- **Size:**
- **from (m):**
- **to:**
- **from (m):**
- **to:**

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 30.5
- **Drawdown (m):** 19.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Nitrogen:**
- **Phosphate:**
- **Ion Balance:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

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**Water Well Positioned by PFRA in 10TM NAD 27**

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**Printed on 2/20/98**
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 54.9 m
- NPWL (m): 54.9
- Abandonment:

**Casing:**
- Type: **Steel**
- Depth (m): 28.7
- Bottom (m): 28.7
- OD (mm): 76.2
- Thickness (mm):
  - from (m): to
  - Top (m): Bottom (m)
  - Seal Type: **Driven**

**Liner:**
- Type:
  - OD (mm):
    - Top (m):
    - Thickness (mm):
    - from (m):
      - to
      - Size:

**Screen:**
- Material:
  - OD (mm):
    - from (m):
      - to
      - Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Jet**
- Model:
- Intake (m):
- Rate (lpm): 13.7
- Time (minute): 240.0
- Level End (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- COD
- SAR
- Nitrate
- TKN
- Sodium
- Strontium
- Potassium
- Selenium
- Calcium
- Vanadium
- Magnesium
- Zinc
- Carbonate
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Iron
- Cadmium
- Sulphate
- Chromium
- Amm. Nitrogen
- Fluoride
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silicon
- Lead
- Nitrate
- Nitrite

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 00617

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 59.4 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 46.6
- **Bottom (m):** 46.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packer

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 43.6
- **Bottom (m):** 58.5

**Perforated How:**
- **Machine from (m):** 43.6
- **to:** 58.5
- **Size:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 36.6
- **Drawdown (m):** 13.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminiun:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

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<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<td>12.2</td>
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<td>35.0</td>
<td>669.7</td>
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<td>42.1</td>
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<td>45.1</td>
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<td>Shale Light Gray</td>
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<td>59.4</td>
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<td>Shale Green</td>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Database:** 1.000H
**AEP Data:** Yes
**Project:**
**Well Field Verified:** No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 60.4 (m)
- **NPWL (m):** 16.7
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 29.9
- **OD (mm):** 152.4
- **Seal Type:** Driven & Shale Trap
- **From (m):** to 29.6

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Top (m):** 27.4
- **Bottom (m):** 60.4
- **Perforated How:** Machine
- **From (m):** to 39.6
- **Size:**
- **From (m):** to 53.3
- **Size:**
- **From (m):** to

**Screen:**

- **Material:**
- **OD (mm):**
- **From (m):** to
- **From (m):** to

**Open Hole:**

- **From (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 56.4

**Testing:**

- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 41.8
- **Drawdown (m):** 24.7
- **Rec'd intake (m):** 48.8
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbone:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NE 34-050-27 W4M**

**Well Number:** 00619

**Well Owner:** Williams, J.R.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 706

**AEP:** 283957

**Date Started:**

**Date Completed:**

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<th>Elevation</th>
<th>Lithologic Description</th>
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<td><strong>Casing:</strong></td>
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<td>Seal Type:</td>
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<td><strong>Liner:</strong></td>
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<td>from (m): to</td>
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<td><strong>Pump:</strong></td>
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</table>

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by PFRA in 10TM NAD 27*

*Printed on 2/20/98*
**NW 34-050-27 W4M**

**Well Number:** 00620  
**Well Owner:** Nonay, Ron  
**Drilling Contractor:** Big Iron Drilling Ltd.

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<tr>
<td>Type of Work:</td>
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**Laboratory:**

| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL)**

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**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on 2/20/98**
**Well Number:** 00621

**Well Owner:** Phillips, Raymond  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 701  
**Date Started:**  
**Date Completed:**

**Licence No.:** Easting: 74,757.02  
**Northing:** 5,810,779.00

---

### General

- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic

**Completed Depth (m):** 87.2  
**NPWL (m):** 30.5  
**Verified NPWL (m):**

**Abandonment:**

### Casing

- **Type:**
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**
- **from (m):** to

### Liner

- **Type:**
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**
- **from (m):** to
- **Size:**

### Screen

- **Material:**
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Open Hole

- **from (m):** to

### Pump

- **Model:**  
- **Intake (m):**

### Testing

- **Rate (lpm):**  
- **Time (minute):**
- **Level End (m):** 
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

- **Transmissivity:** m³/day

### Gamma Log

- **Storativity:**

### Aquifer Test

- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes  
  **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
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<td>AEP Data: Yes Well Field Verified: No</td>
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### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m):
  - Verified NPWL (m):
- **Abandonment:**
- **Date Started:**
- **Date Completed:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **Model:** Intake (m):

### Pump:
- **Model:** Intake (m): Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

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### Electric Log:
- Transmissivity: m³/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: **1.000H**
- AEP Data: Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**NE 35-050-27 W4M**

**Well Owner:** Patterson, Chris  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 682  
**AEP:** 152130  
**Licence No.:** 77,502.17  
**Date Started:** 06 Jun 90  
**Date Completed:** 07 Jun 90

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**Casing:**

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**Liner:**

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<th>from (m): to</th>
<th>Size:</th>
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**Screen:**

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<th>OD (mm):</th>
<th>from (m): to</th>
<th>Size:</th>
<th>from (m): to</th>
<th>Size:</th>
<th>from (m): to</th>
<th>Size:</th>
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**Open Hole:**

| from (m): to |          |          |          |          |          |          |          |

**Pump:**

<table>
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<tr>
<th>Model:</th>
<th>Intake (m):</th>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
<th>Level End (m):</th>
<th>Drawdown (m):</th>
<th>Rec'd intake (m):</th>
<th>Rec'd Rate (lpm):</th>
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**Laboratory:**

<table>
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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<td>Magnesium</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
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<td>Chloride</td>
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<td>Fluoride</td>
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<tr>
<td>Iron</td>
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<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 00625

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 86.9 (m)
**NPWL (m):** 44.2
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 23.8
- **Bottom (m):** 23.8
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** 23.8
- **to:**

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 23.8
- **Bottom (m):** 86.0

**Perforated How:** Machine
- **from (m):** 23.8
- **to:** 86.0
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **to:** Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 16.0
- **Time (minute):** 420.0
- **Level End (m):** 48.8
- **Drawdown (m):** 4.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Vanadium:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 02/20/98
NE 35-050-27 W4M

Well Owner: Van Stolk, Jan
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 699
AEP: 283981
Licence No.: Easting: 77,771.57
Date Started: 14 Jul 76
Northing: 5,911,166.00
Date Completed: 15 Jul 76

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 65.2 m
- NPWL (m): 7.6
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 11.6
- Bottom (m): 11.6
- OD (mm): 1412.2
- Thickness (mm): 0.1
- Seal Type: Formation Seal
- from (m): to 11.6

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm):
- Top (m):
- Bottom (m): 64.3
- Perforated How: Torch
- from (m): to 64.3
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 36.6
- Rate (lpm): 6.8
- Time (minute): 420.0
- Level End (m): 36.6
- Drawdown (m): 29.0
- Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation (BGL) (AMSL) (m) (m)
Lithologic Description
4.6 694.7 Clay Yellow
9.1 690.2 Clay Blue
10.4 688.9 Stones
12.2 687.1 Shale Green
19.5 679.8 Shale Sandy Gray
21.3 678.0 Shale Brittle Green
23.5 675.8 Shale Sandy Gray
24.7 674.6 Shale Green
25.9 673.4 Shale Sandy Gray
26.2 673.1 Shale Gray
28.0 671.3 Shale Sandy Gray
32.9 666.4 Shale Green
35.4 663.9 Shale Sandy Gray
39.3 660.0 Shale Gray
42.1 657.2 Shale Sandy Gray
46.9 652.4 Shale Brownish Gray
48.8 650.5 Shale Gray
50.0 649.3 Coal
51.8 647.5 Shale Gray
54.9 644.4 Shale Brown
56.1 643.2 Soapstone
57.9 641.4 Shale Gray
60.0 639.3 Shale Brown
62.2 637.1 Shale Sandy Gray
63.1 636.2 Shale Gray
65.2 634.1 Shale Green

Electric Log: No
Gamma Log: No
Aquifer Test: No

Transmissivity: m²/day
Storativity:

AEP Data: Yes
Well Field Verified: No

Database: 1.000H
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<td>Completed Depth: 7.9 (m)</td>
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<td>Drawdown (m):</td>
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<td>Rec'd Rate (lpm):</td>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
Well Number 00629

Well Owner: Burn, J.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 635
AEP: 283986
Licence No.: 78309.49
Date Started: N/A
Date Completed: N/A

Spring Well Positioned by Mow-Tech in 10TM NAD 27

Water Well Positioned by Mow-Tech in 10TM NAD 27

## General

- **Type of Work:** Spring
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m):
  - Verified NPWL (m):
- **Abandonment:**

## Casing

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
  - from (m):
  - to

## Liner

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

## Screen

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**

## Open Hole

- **from (m):**
- **to**

## Pump

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory

- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Total Hardness:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**NW 36-050-27 W4M**

**Well Owner:** Burn, Jim  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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<th>Lithologic Description</th>
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<td>695.6</td>
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<tr>
<td>10.4</td>
<td>689.8</td>
<td>Clay Blue</td>
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<tr>
<td>12.5</td>
<td>687.6</td>
<td>Shale Greenish Gray</td>
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<tr>
<td>19.2</td>
<td>680.9</td>
<td>Shale Sandy Gray</td>
</tr>
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<td>22.9</td>
<td>677.3</td>
<td>Shale Greenish Gray</td>
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<td>25.6</td>
<td>674.5</td>
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<td>673.6</td>
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<td>670.6</td>
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<td>31.1</td>
<td>669.0</td>
<td>Shale Sandy Gray</td>
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<td>33.8</td>
<td>666.3</td>
<td>Shale Gray</td>
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<td>37.2</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<td>TDS</td>
<td>TKN</td>
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<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 1283.8 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate & Nitrite N

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(No Lithologic Information Available)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Well Number:** 00717

**Well Owner:** Central Leduc Oil Co

**Elevation (AMSL) (m):** 694

**AEP:** 280397

**Licence No.:**

**Easting:** 88,228.61

**Northing:** 5,913,929.03

**Date Started:**

**Date Completed:** 11 Mar 48

**Drilling Contractor:** Unknown Driller

**Remarks:**

- Water Well Positioned by Mow-Tech in 10TM NAD 27

**AEP Data:** Yes

**Database:** 1.000H

**AEP Field Verified:** No
**NW 08-051-25 W4M**

**Well Owner:** Buhler, Linda  
**Drilling Contractor:** Unknown Driller

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<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> Chemistry</td>
<td><strong>(BGL) (AMSL)</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Not Applicable</td>
<td><strong>(m) (m)</strong></td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Lithologic Description</strong></td>
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<table>
<thead>
<tr>
<th>Completed Depth</th>
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<tr>
<td>27.4 (m)</td>
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<table>
<thead>
<tr>
<th><strong>Abandonment:</strong></th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th><strong>Casing:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type:</strong></td>
</tr>
<tr>
<td><strong>Depth (m):</strong> Bottom (m):</td>
</tr>
<tr>
<td><strong>OD (mm):</strong> Thickness (mm):</td>
</tr>
<tr>
<td><strong>Seal Type:</strong> from (m): to</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Liner:</strong></th>
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<tbody>
<tr>
<td><strong>Type:</strong></td>
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<td><strong>OD (mm):</strong> Thickness (mm):</td>
</tr>
<tr>
<td><strong>Top (m):</strong> Bottom (m):</td>
</tr>
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<td><strong>Perforated How:</strong> from (m): to Size:</td>
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<td><strong>from (m):</strong> to Size:</td>
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<td><strong>from (m):</strong> to Size:</td>
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<th><strong>Screen:</strong></th>
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<td><strong>Material:</strong></td>
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<td><strong>OD (mm):</strong> from (m): to Size:</td>
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<tr>
<td><strong>from (m):</strong> to Size:</td>
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<table>
<thead>
<tr>
<th><strong>Open Hole:</strong></th>
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</thead>
<tbody>
<tr>
<td>from (m): to</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Pump:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model:</strong></td>
</tr>
<tr>
<td><strong>Intake (m):</strong></td>
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<table>
<thead>
<tr>
<th><strong>Testing:</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Rate (lpm):</strong> Time (minute):</td>
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<tr>
<td><strong>Level End (m):</strong> Drawdown (m):</td>
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<tr>
<td><strong>Rec'd intake (m):</strong> Rec'd Rate (lpm):</td>
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<table>
<thead>
<tr>
<th><strong>Laboratory:</strong></th>
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<tbody>
<tr>
<td><strong>pH (pH unit):</strong> COD Mercury</td>
</tr>
<tr>
<td><strong>Cond. (µS/cm):</strong> SAR Nickel</td>
</tr>
<tr>
<td><strong>TDS:</strong> TKN Selenium</td>
</tr>
<tr>
<td><strong>Sodium:</strong> Nitrate Strontium</td>
</tr>
<tr>
<td><strong>Potassium:</strong> Nitrite Molybdenum</td>
</tr>
<tr>
<td><strong>Calcium:</strong> TC Zinc</td>
</tr>
<tr>
<td><strong>Magnesium:</strong> DIC Hydroxide</td>
</tr>
<tr>
<td><strong>Carbonate:</strong> Arsenic Total Hardness</td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong> Barium Manganese</td>
</tr>
<tr>
<td><strong>Aluminium:</strong> Sulphate Beryllium Phosphate</td>
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<tr>
<td><strong>Chloride:</strong> Cadmium I on Balance</td>
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<tr>
<td><strong>Fluoride:</strong> Chromium Amm. Nitrogen</td>
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<tr>
<td><strong>Iron:</strong> Cobalt Total Phosphate</td>
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<tr>
<td><strong>TOC:</strong> Copper Total Alkalinity</td>
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<tr>
<td><strong>Silica:</strong> Lead Nitrate &amp; Nitrite N</td>
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| **Chemical Constituents are in mg/l (ppm). Except as noted.** |

<table>
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<tr>
<th><strong>Remarks:</strong></th>
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**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 08-051-25 W4M**

**Well Owner:** Warner, Irma & Terry  
**Drilling Contractor:** Unknown Driller

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<th>Lithologic Description</th>
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<td>(m)</td>
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<td>Completed Depth: 14.6 (m)</td>
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<td>Abandonment:</td>
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<td>Type:</td>
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<td>Bottom (m):</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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</tr>
<tr>
<td>Seal Type:</td>
<td>from (m): to</td>
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<table>
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<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
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<td>Size:</td>
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<td>from (m): to</td>
<td>Size:</td>
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<table>
<thead>
<tr>
<th>Open Hole</th>
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<tbody>
<tr>
<td>from (m):</td>
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<table>
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<tr>
<th>Pump</th>
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<td>Model:</td>
<td>Intake (m):</td>
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<table>
<thead>
<tr>
<th>Testing</th>
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<tbody>
<tr>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<tr>
<td>pH (pH unit):</td>
<td>COD</td>
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<td>Cond. (µS/cm):</td>
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<tr>
<td>TDS</td>
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<td>Fluoride</td>
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<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**AEP Data:** Yes  
**Well Field Verified:** No

---

**Printed on:** 2/20/98

---

**Well Number:** 00719  
**Elevation (AMSL) (m):** 691

**AEP:** 156618  
**Date Started:** 89,299.96

**Northing:** 5,814,418.00
**SE 18-051-25 W4M**

**Well Owner:** Engley, Ray

**Drilling Contractor:** Kc Drilling (Leduc)

**Well Number:** 00726

**Elevation (AMSL) (m):** 697

**AEP:** 154567

**Licence No.:** Easting: 86,396.50

**Date Started:** 12 Jul 90

**Northing:** 5,915,219.50

**Date Completed:** 13 Jul 90

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth (m):** 21.3
- **NPWL (m):** 3.1
- **Abandonment:**

### Casting:

- **Type:** Galvanized Steel
- **Depth (m):** 21.3
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to 3.7

### Liner:

- **Type:**
- **OD (mm):**
- **Thicknness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:

- **Material:** Ga
- **OD (mm):** 7.0
- **from (m):** 9.8 to 10.4
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 18.2
- **Time (minute):** 240.0
- **Level End (m):** 21.3
- **Drawdown (m):** 18.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description:

- **Depth:** (m) **Elevation:** (m) **Lithologic Description**
  - 6.4 690.7 Sand Gray
  - 7.0 690.1 Clay Brown
  - 10.4 686.8 Sand Water Bearing Black
  - 16.8 680.4 Clay Black
  - 21.3 678.8 Clay Blue

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Dry Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- Completed Depth: 77.7 m
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:** Cuttings 27 Jun 91

### Casing:
- **Type:** 
- Depth (m): Bottom (m): 
- OD (mm): Thickness (mm): 
- Seal Type: from (m): to 
- **Liner:** 
- OD (mm): Thickness (mm): 
- Top (m): Bottom (m): 
- Perforated How: from (m): to Size: from (m): to Size: from (m): to Size: 

### Screen:
- **Material:** 
- OD (mm): from (m): to Size: from (m): to Size: from (m): to Size: 

### Open Hole:
- from (m): to 

### Pump:
- **Model:** 
- Intake (m): 
- **Testing:** 
- Rate (lpm): Time (minute): 180.0 
- Level End (m): Drawdown (m): 
- Rec'd intake (m): Rec'd Rate (lpm): 

### Laboratory:
- **pH (pH unit):** COD 
- **Cond. (µS/cm):** SAR Nickel 
- **TDS:** TKN Selenium 
- Sodium Nitrate Strontium 
- Potassium Nitrite Molybdenum 
- Calcium TN Vanadium 
- Magnesium TC Zinc 
- **Carbonate:** DIC Hydroxide 
- Bicarbonate Arsenic Total Hardness 
- Aluminium Barium Manganese 
- Sulphate Beryllium Phosphate 
- Chloride Cadmium Ion Balance 
- Fluoride Chromium Amm. Nitrogen 
- Iron Cobalt Total Phosphate 
- TOC Copper Total Alkalinity 
- Silica Lead Nitrate&Nitrite N

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

---

**Well Number 00728**

- **Well Owner:** Harrison, Sandy
- **Drilling Contractor:** McGinn, Gerald Drilling Ltd.
- **Elevation (AMSL) (m):** 695
- **AEP:** 162190
- **Licence No.:** Easting: 88,418.42
- **Date Started:** 27 Jun 91
- **Date Completed:** 27 Jun 91

---

**Depth Elevation**

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<tr>
<th>(BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>4.6</td>
<td>690.5 Clays Sandy Yellow</td>
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<tr>
<td>7.6</td>
<td>687.5 Clay Hard Yellow</td>
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<tr>
<td>9.1</td>
<td>685.9 Clay Blue</td>
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<tr>
<td>21.3</td>
<td>673.8 Clay Silty Blue</td>
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<td>27.4</td>
<td>667.7 Clay Hard Blue</td>
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<tr>
<td>48.8</td>
<td>646.3 Sand</td>
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<td>50.3</td>
<td>644.8 Shale Sandy Gray</td>
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<tr>
<td>57.9</td>
<td>637.2 Shale Gray</td>
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<td>58.2</td>
<td>636.9 Shale Sandy Gray</td>
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<td>71.6</td>
<td>623.5 Shale Gray</td>
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<tr>
<td>73.2</td>
<td>621.9 Shale Brown</td>
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<tr>
<td>77.7</td>
<td>617.4 Shale Green</td>
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**Electric Log:** No  
**Transmissivity:** m³/day 
**Gamma Log:** No  
**Storativity:** 
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes Well Field Verified: No
Well Owner: Harrison, Sandy
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 00729
Elevation (AMSL) (m): 695
AEP: 158930
Licence No.: Easting: 88,418.42
Date Started: 26 Aug 91 Northing: 5,814,943.87
Date Completed: 27 Aug 91

General:
- Type of Work: Dry Hole
- Drilling Method: Rotary
- Well Use: 
- Completed Depth: 91.4 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment: Unknown 27 Aug 91

Casing:
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to
- Liner:
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material: 
- OD (mm): from (m): to Size:
- to Size:

Open Hole:
- from (m): to

Pump:
- Model: 
- Intake (m):

Testing:
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
**SE 18-051-25 W4M**

Well Owner: Little, John  
Drilling Contractor: Kc Drilling (Leduc)

**Well Number 00730**

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<td>Easting: 88,639.45</td>
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<td>Date Started: 07 Nov 91</td>
<td>Northing: 5,914,961.00</td>
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<td>Date Completed: 08 Nov 91</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>(m)</th>
<th>NPWL (m):</th>
<th>(m)</th>
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<tbody>
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<td>3.1</td>
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**Abandonment:**

**Casing:**
- **Type:** Galvanized Steel

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<tbody>
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**Seal Type:** Puddled Clay  
from (m): to 3.1

**Liner:**
- **Type:**  
- **OD (mm):** 635.0  
- **Thickness (mm):** 0.0

**Perforated How:**
from (m): to  
- Size:

**Screen:**
- **Material:** Ga  
- **OD (mm):** 7.0  
- **from (m):** 5.8 to 6.1  
- **Size:** 0.02

**Open Hole:**
from (m): to

**Pump:**
- **Model:**  
- **Intake (m):** 19.8

**Testing:**
- **Rate (lpm):** 20.5  
- **Time (minute):** 420.0

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<th>Drawdown (m):</th>
<th>Rec'd Rate (lpm):</th>
<th>Rec'd intake (m):</th>
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<tbody>
<tr>
<td>20.7</td>
<td>17.4</td>
<td>22.8</td>
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**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  

| Chemical Constituents are in mg/l (ppm). Except as noted. |

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 18-051-25 W4M**

**Well Owner:** Lywood, Janet  
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th>Well Number</th>
<th>00731</th>
</tr>
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| Licence No.: | 187035 |
| Date Started: | |
| Date Completed: | |

| Elevation (AMSL) (m): | 697 |
| Easting: | 86,396.50 |
| Northing: | 5,915,219.50 |

| Completed Depth | 9.1 (m) |
| NPWL (m): | Verified NPWL (m): |

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<tr>
<td>Type:</td>
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<td>Depth (m):</td>
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<td>OD (mm):</td>
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<td>Seal Type:</td>
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<table>
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<td>Perforated How:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<table>
<thead>
<tr>
<th>Screen:</th>
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<tbody>
<tr>
<td>Material:</td>
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<tr>
<td>OD (mm):</td>
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<td>from (m): to Size:</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
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<tr>
<td>from (m): to</td>
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<table>
<thead>
<tr>
<th>Pump:</th>
</tr>
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<tbody>
<tr>
<td>Model:</td>
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<tr>
<td>Intake (m):</td>
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<table>
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<tr>
<th>Testing:</th>
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<tbody>
<tr>
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<td>Time (minute):</td>
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<tr>
<td>Rec'd intake (m):</td>
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<td>Rec'd Rate (lpm):</td>
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<tr>
<td>pH (pH unit):</td>
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<td>Cond. (µS/cm):</td>
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<td>TOC:</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<table>
<thead>
<tr>
<th>Remark:</th>
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| Electric Log: | No |
| Transmissivity: | m²/day |
| Gamma Log: | No |
| Storativity: | |
| Aquifer Test: | No |
| Project: | Database: 1.000H |
| AEP Data: | Yes |
| Well Field Verified: | No |

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

printed on 2/20/98
**SE 18-051-25 W4M**

**Well Owner:** Poruchny, Thomas/Diane  
**Drilling Contractor:** Summer's Drilling Ltd.

**Elevation (AMSL) (m):** 695  
**AEP:** 243240  
**Licence No.:**  
**Easting:** 88,331.63  
**Northing:** 5,915,361.00  
**Date Started:** 09 Sep 94  
**Date Completed:** 10 Sep 94

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic  
- **Completed Depth:** 21.0 (m)  
- **NPWL (m):** 7.6  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:

- **Type:** Galvanized Steel  
- **Depth (m):** 21.0  
- **Bottom (m):** 21.0  
- **OD (mm):** 609.6  
- **Thickness (mm):** 0.0

### Seal Type:

- **Bentonite Chips/Tabl**
- **from (m):** 4.6 to 5.5

### Liner:

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**
  - from (m):  
  - to:  
  - Size:  
- from (m):  
  - to:  
  - Size:  
- from (m):  
  - to:  
  - Size:  

### Screen:

- **Material:** St  
- **OD (mm):** 7.3  
- **from (m):** 14.0 to 14.6  
- **Size:** 0.02  
- **from (m):**  
  - to:  
  - Size:  
- **from (m):**  
  - to:  
  - Size:  

### Open Hole:

- **Type:**  
- **from (m):**  
- **to:  

### Pump:

- **Model:**  
- **Intake (m):** 19.5

### Testing:

- **Rate (lpm):** 45.6  
- **Time (minute):**  
- **Level End (m):** 13.1  
- **Drawdown (m):** 5.5  
- **Rec’d intake (m):** 19.5  
- **Rec’d Rate (lpm):** 9.1

### Laboratory:

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<th>Chemical Constituents</th>
<th>Value (mg/l ppm)</th>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
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<td>Potassium</td>
<td>Nitrite Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium Manganese</td>
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<td>Sulphate</td>
<td>Beryllium Phosphate</td>
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<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
Well Number: 00751

01-01-051-26 W4M

Well Owner: Adams, F.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 692
Licence No.: Easting: 86,732.42
Date Started:
Northing: 5,811,722.50
Date Completed:

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<td>(m) (m)</td>
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<td>Well Use: Domestic &amp; Stock</td>
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<td>Drilled:</td>
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<td>OD (mm): Thickness (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<td>Perforated How: from (m): to</td>
<td>Size:</td>
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<td>from (m): to</td>
<td>Size:</td>
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<td>from (m): to Size:</td>
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<td>Open Hole:</td>
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<td>from (m): to</td>
<td></td>
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</tr>
<tr>
<td>Pump:</td>
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<tr>
<td>Model:</td>
<td>Intake (m):</td>
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<td>Testing:</td>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<td>Level End (m): Drawdown (m):</td>
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<td>pH (pH unit)</td>
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<td>Sodium</td>
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<tr>
<td>Potassium</td>
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<td>Iron</td>
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<td>TOC</td>
<td>Copper Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
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<tr>
<td>AEP Data: Yes Well Field Verified: No</td>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 12.8 (m)
**NPWL (m):** 5.5
**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** 219.0
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 11.9

**Perforated How:** Machine
- **from (m):** 5.8 to 8.8
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):**
- **Level End (m):** 9.1
- **Drawdown (m):** 3.7
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Nitrate:**
- **Nitrite:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrates & Nitrites:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: No
### Gamma Log: No
### Aquifer Test: No
### Project: Database: 1.000H
### AEP Data: Yes
### Well Field Verified: No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 2/20/98
**SE 01-051-26 W4M**

**Well Number:** 00753

**Well Owner:** West Ridge Park Lodge

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 689  
**AEP:** 156975  
**Licence No.:**  
**Date Started:** 10 May 91  
**Easting:** 86,819.24  
**Northing:** 5,911,695.64  
**Date Completed:** 12 May 91

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<td>Abandonment</td>
<td>Cement</td>
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</table>

**Casing:**
- **Type:**
  - Depth (m): Bottom (m):
- **OD (mm):**
- **Seal Type:** Other
  - from (m): to 12.8

**Liner:**
- **Type:**
  - OD (mm): 219.0
    - Thickness (mm): 0.1
  - Top (m):
    - Bottom (m): 9.1
- **Perforated How:** Machine
  - from (m): to 9.1
    - Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
  - Intake (m):

**Testing:**
- **Rate (lpm):** 4.6
  - Time (minute):
- **Level End (m):**
  - Drawdown (m):
- **Rec'd intake (m):**
  - Rec'd Rate (lpm):

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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Sodium</td>
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<td>Molybdenum</td>
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<tr>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>TC</td>
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</tr>
<tr>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
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<td>Total Hardness</td>
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<tr>
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<td>Phosphate</td>
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<tr>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number 00754**

**Well Owner:** Paul, Brent  
Drilling Contractor: Unknown Driller  
Elevation (AMSL) (m): 698  
Licence No.:  
Date Started:  
Date Completed:  
AEP: 156619  
Easting: 85,163.66  
Northing: 5,912,702.50

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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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| Type of Work: Chemistry  
Drilling Method: Not Applicable  
Well Use: Domestic  
Completed Depth: 21.3 (m)  
NPWL (m):  
Verified NPWL (m):  
Abandonment: | (BGL) (AMSL) | (m) | (m) | |
| Casing: | | | |
| Type: | | | |
| Depth (m): | Bottom (m): | | |
| OD (mm): | Thickness (mm): | | |
| Seal Type: | from (m): | to | |
| Liner: | | | |
| Type: | | | |
| OD (mm): | Thickness (mm): | | |
| Top (m): | Bottom (m): | | |
| Perforated How: | from (m): | to | Size: | |
| from (m): | to | Size: | |
| from (m): | to | Size: | |
| Screen: | | | |
| Material: | | | |
| OD (mm): | from (m): | to | Size: | |
| from (m): | to | Size: | |
| Open Hole: | | | |
| from (m): | to | |
| Pump: | | | |
| Model: | Intake (m): | | |
| Testing: | | | |
| Rate (lpm): | Time (minute): | | |
| Level End (m): | Drawdown (m): | | |
| Rec’d intake (m): | Rec’d Rate (lpm): | | |

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<td>Cond. (µS/cm)</td>
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<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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<table>
<thead>
<tr>
<th>Remarks:</th>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
</thead>
</table>

Water Well Positioned by PFRA in 10TM NAD 27
**NE 02-051-26 W4M**

**Well Owner:** Roberts, Howard  
**Drilling Contractor:** Kc Drilling (Leduc)

**Elevation (AMSL) (m):** 698  
**AEP:** 167833  
**Licence No.:** 23 Jun 92  
**Easting:** 85,163.66  
**Northing:** 5,912,702.50  
**Date Started:** 24 Jun 92  
**Date Completed:** 24 Jun 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic  
- **Completed Depth:** 19.5 (m)  
- **NPWL (m):** 10.4  
- **Verified NPWL (m):** 10.4  
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:** Clay Cap  
  - from (m): to 3.7

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:** Clay Cap  
  - from (m): to 3.7

### Liner:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Perforated How:** Axe/Chisel  
  - from (m): 18.6 to 19.2  
  - from (m): to  
  - from (m): to

### Screen:
- **Material:** Ga  
  - **Depth (m):** 7.0  
  - from (m): 7.6 to 7.9  
  - from (m): to  
  - from (m): to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
  - Intake (m): 19.2

### Testing:
- **Rate (lpm):** 3.4  
  - **Time (minute):** 240.0
- **Level End (m):** 19.5  
  - **Drawdown (m):** 9.1
- **Rec'd intake (m):**  
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD  
  - **SAR:** Nickel  
  - **TKN:** Selenium  
  - **Nitrates:** Strontium  
  - **Nitrites:** Molybdenum  
  - **Calcium:** Vanadium  
  - **Magnesium:** Zinc  
  - **Carbonates:** Hydroxide  
  - **Bicarbonates:** Total Hardness  
  - **Barium:** Manganese  
  - **Sulphate:** Phosphate  
  - **Chloride:** Ion Balance  
  - **Fluoride:** Amm. Nitrogen  
  - **Iron:** Total Phosphate  
  - **TOC:** Total Alkalinity  
  - **Silica:** Lead  
  - **Nitrate & Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No  
**Transmissivity:** m³/day  
**Gamma Log: No**  
**Storativity:**
- **Aquifer Test: No**  
  - **Project:** Database: 1.000H  
  - **AEP Data: Yes**  
  - **Well Field Verified: No**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
**Well Number: 00756**

**Well Owner:** King, Bridget  
**Drilling Contractor:** Midwest Drilling Ltd.

**Elevation (AMSL) (m):** 692  
**Licence No.:** 263466  
**Date Started:** 30 Oct 95  
**Date Completed:** 30 Oct 95

**Depth Elevation (BGL) (AMSL) (m) (m)**

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<td>668.7</td>
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<tr>
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<td>659.2</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
**NW 02-051-26 W4M**

**Well Owner:** King, Deejay  
**Drilling Contractor:** Midwest Drilling Ltd.

**Well Number:** 00757

**Elevation (AMSL) (m):** 692  
**AEP:** 263463  
**Licence No.:** Easting: 84,348.89  
**Date Started:** 03 Oct 95  
**Northing:** 5,912,462.46  
**Date Completed:** 03 Oct 95

**General:**
- **Type of Work:** Dry Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 79.2 m  
**NPWL (m):**  
**Abandonment:** Bentonite Product  
**Date:** 03 Oct 95

**Casing:**
- **Type:** Steel  
- **Depth (m):** 21.6  
- **Bottom (m):** 21.6  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 21.3  
- **to:** 21.6

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):**  
- **Bottom (m):**

**Perforated How:** Other  
**from (m):**  
**to:**  
**Size:**  
**from (m):**  
**to:**  
**Size:**  
**from (m):**  
**to:**  
**Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**

**Open Hole:**
- **from (m):**  
- **to:**

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:** Nickel  
- **TDS:** KTN  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

**Depth**

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<thead>
<tr>
<th>Elevation (BGL) (m)</th>
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**Database:** 1.000H

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No
**NW 02-051-26 W4M**

**Well Owner:** McCourt, Paul  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m): 687**  
**AEP:** 161591  
**Date Started:**  
**Northing:** 5,912,622.00

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 16.8 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):**  
- **Thick (mm):**  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thick (mm):**  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m): to Size:**  
- **from (m): to Size:**

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m): to Size:**

### Open Hole:
- from (m): to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project:**  
**Database: 1.000H**  
**AEP Data: Yes**  
**Well Field Verified: No**

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**Water Well Positioned by PFRA in 10TM NAD 27**

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**Remarks:**

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*Chemical Constituents are in mg/l (ppm). Except as noted.*
**NW 02-051-26 W4M**

**Well Owner:** Mcnabb, Don  
**Drilling Contractor:** D&D Water Well Drilling & Services

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### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 15.5 (m)
- **NPWL (m):** 7.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casings
- **Type:** Plastic
- **Depth (m):** 12.2  
**Bottom (m):** 12.2
- **OD (mm):** 152.4  
**Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 9.1

### Liner
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**

### Screen
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** to 13.4  
**Size:** 0.01
- **from (m):** to
  - **Size:**

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):** 13.4
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 10.4
- **Drawdown (m):** 3.4
- **Rec'd intake (m):** 12.2  
**Rec'd Rate (lpm):** 22.8

### Laboratory

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<tr>
<td>- Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Testing
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
Well Number: 00760

Well Owner: Shubert, Mark
Drilling Contractor: Mahar Drilling Co. Ltd.

Elevation (AMSL) (m): 689
Licence No.: 151977
Date Started: 06 Sep 89
Date Completed: 07 Sep 89

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 44.2 (m)
- NPWL (m): 11.3
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 12.2
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): 12.2 to

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 10.7
- Bottom (m): 44.2
- Perforated How: Machine
- from (m): 25.9 to 44.2
- Size:
- from (m): 44.2
- Size:
- from (m): 10.7
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

Open Hole:
- from (m): to

Pump: Sub
- Model:
- Intake (m): 39.6

Testing:
- Rate (lpm): 18.2
- Time (minute): 120.0
- Level End (m): 28.4
- Drawdown (m): 17.1
- Rec’d intake (m): 39.6
- Rec’d Rate (lpm): 18.2

Laboratory:
- pH (pH unit):
- COD
- Mercury
- Cond. (µS/cm):
- SAR
- Nickel
- TDS
- TKN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminum
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate&Nitrite

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Well Number: 00760

Well Owner: Shubert, Mark
Drilling Contractor: Mahar Drilling Co. Ltd.

Elevation (AMSL) (m): 689
Licence No.: 151977
Date Started: 06 Sep 89
Date Completed: 07 Sep 89

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 44.2 (m)
- NPWL (m): 11.3
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 12.2
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): 12.2 to

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 10.7
- Bottom (m): 44.2
- Perforated How: Machine
- from (m): 25.9 to 44.2
- Size:
- from (m): 44.2
- Size:
- from (m): 10.7
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

Open Hole:
- from (m): to

Pump: Sub
- Model:
- Intake (m): 39.6

Testing:
- Rate (lpm): 18.2
- Time (minute): 120.0
- Level End (m): 28.4
- Drawdown (m): 17.1
- Rec’d intake (m): 39.6
- Rec’d Rate (lpm): 18.2

Laboratory:
- pH (pH unit):
- COD
- Mercury
- Cond. (µS/cm):
- SAR
- Nickel
- TDS
- TKN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminum
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate&Nitrite

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 49.4 (m)
- **NPWL (m):** 3.4
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 11.3
- **Bottom (m):** 11.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
  - from (m): 11.0 to
  - to:

## Liner:
- **Type:** Machine Trap
  - from (m): 43.3 to 49.4
  - Size:
  - Size:
  - Size:
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 10.4
  - **Bottom (m):** 49.4

## Perforated How:
- **from (m):** to
- **Size:**
- **Size:**
- **Size:**

## Screen:
- **Material:**
  - **OD (mm):** from (m): to
  - **Thickness (mm):** from (m): to
  - **Size:** from (m): to

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
  - **Intake (m):** 45.7

## Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 24.7
- **Drawdown (m):** 21.3
- **Rec'd Rate (lpm):** 18.2
- **Rec'd Intake (m):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: **103.6** (m)
  - NPWL (m): **7.6**
  - Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: **Plastic**
  - Depth (m): **17.1**
  - Bottom (m): **17.1**
  - OD (mm): **141.2**
  - Thickness (mm):
- Seal Type: **Shale Trap**
  - from (m): **17.1** to

**Liner:**
- Type:
  - OD (mm): **101.6**
  - Thickness (mm):
  - Top (m): **15.2**
  - Bottom (m): **103.6**
- Perforated How: **Machine**
  - from (m): **36.6** to **48.8**
  - Size:
  - from (m): **79.2** to **103.6**
  - Size:
  - from (m): to

**Screen:**
- Material:
  - OD (mm):
    - from (m): to
    - from (m): to
    - from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- Model: 
  - Intake (m): **79.2**

**Testing:**
- Rate (lpm): **155.1**
  - Time (minute): **480.0**
- Level End (m): **79.2**
  - Drawdown (m): **71.6**
- Rec’d intake (m): 
  - Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit)  | COD  | Mercury
- Cond. (µS/cm) | SAR  | Nickel
- TDS  | TKN  | Selenium
- Sodium  | Nitrate | Strontium
- Potassium  | Nitrite | Molybdenum
- Calcium  | TN  | Vanadium
- Magnesium  | TC  | Zinc
- Carbonate  | DIC  | Hydroxide
- Bicarbonate  | Arsenic | Total Hardness
- Aluminium  | Barium | Manganese
- Sulphate  | Beryllium | Phosphate
- Chloride  | Cadmium | Ion Balance
- Fluoride  | Chromium  | Amm. Nitrogen
- Iron  | Cobalt | Total Phosphate
- TOC  | Copper | Total Alkalinity
- Silica  | Lead | Nitrate&Nitrite
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 21.9 m
- **NPWL (m):** 7.9
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 21.9
- **Bottom (m):** 21.9
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** 3.1 to 4.6

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to (m):**
- **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 7.3
- **from (m):** 10.1 to 10.7
- **Size:** 0.01
- **from (m):**
- **to (m):**

#### Open Hole:
- **from (m):**
- **to (m):**

#### Pump:
- **Model:**
- **Intake (m):** 19.5

#### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):** 11.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 4.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Water:**
- **Sodium:**
- **Nitrate:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **OD (mm):**
- **Screen:**
- **Open Hole:**
- **Perforated How:**
- **Size:**
- **from (m):**
- **to (m):**

### Lithologic Description:
- **Depth (m):** 4.6
- **Elevation (BGL)(m):** 700.6
- **Lithologic:** Sand
- **Type:**
- **Range:**

### Water Well Positioned by PFRA in 10TM NAD 27
<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1</td>
<td>695.1</td>
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<tr>
<td>11.0</td>
<td>694.2</td>
<td>Sand Gray</td>
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<tr>
<td>16.5</td>
<td>688.7</td>
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<td>32.6</td>
<td>672.5</td>
<td>Siltstone &amp; Sandstone</td>
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<td>32.9</td>
<td>672.2</td>
<td>Shale</td>
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<td>33.5</td>
<td>671.6</td>
<td>Coal</td>
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<td>34.4</td>
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<td>Shale &amp; Coal</td>
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<td>48.8</td>
<td>656.4</td>
<td>Shale</td>
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</table>

**Laboratory:**

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Strontium
- Sodium Nitrate Selenium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 03-051-26 W4M**

**Well Owner:** Pollock, Ron  
**Drilling Contractor:** Unknown Driller

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 36.6 m  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:** from (m): to  

**Open Hole:** from (m): to  

**Pump:**
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 00765**

**Elevation (AMSL) (m):** 705  
**AEP:** 163011  
**Date Started:**  
**Date Completed:**  
**Easting:** 83,807.40  
**Northing:** 5,912,776.50  

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 15.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to (m):

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 00766

**Well Owner:** Wallace, Bryan

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 700

**AEP:** 166432

**Date Started:**

**Easting:** 81,085.51

**Northing:** 5,912,549.00

**Licence No.:**

**Date Completed:**

**Remarks:**

**Database:** 1.000H

**AEP Data:** Yes Well Field Verified: No

**Electric Log:** No Transmissivity: m³/day

**Gamma Log:** No Storativity:

**Aquifer Test:** No

**Project:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**14-05-051-26 W4M**

**Well Number: 00767**

**Well Owner:** Dyck, Victor  
**Drilling Contractor:** Snetler Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 695  
**AEP:** 160377  
**Licence No.:** 79,713.46  
**Date Started:** 10 Sep 91  
**Nortthing:** 5,912,740.00  
**Date Completed:** 11 Sep 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 21.9  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 31.1  
- **Bottom (m):** 31.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Benseal  
- **from (m):** to 31.1

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 30.2  
- **Bottom (m):** 54.9  

### Perforated How:
- **Hand Drill**  
- **from (m):** 42.7  
- **to 51.8**  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 25.9

### Testing:
- **Rate (lpm):** 54.7  
- **Time (minute):** 120.0
- **Level End (m):** 25.9  
- **Drawdown (m):** 4.0  
- **Rec'd intake (m):** 30.5  
- **Rec'd Rate (lpm):** 41.1

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 00768

**Well Owner:** Burn, Jim

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 702
**AEP:** 227851
**Licence No.:** Easting: 79,461.80
**Date Started:** 12 Aug 93
**Northing:** 5,911,770.50
**Date Completed:** 13 Aug 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 38.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 26.2
- **Bottom (m):** 26.2
- **OD (mm):** 152.4
- **Thicknnes (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 26.2

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 25.0
- **Bottom (m):** 63.1
- **Perforated How:** Saw
- **from (m):** to 63.1
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 16.0
- **Time (minute):** 420.0
- **Level End (m):** 45.7
- **Drawdown (m):** 7.6
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

<table>
<thead>
<tr>
<th>Electric Log</th>
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<tr>
<td>Transmissivity</td>
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<td>Gamma Log</td>
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<td>Storativity</td>
<td></td>
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<td>Aquifer Test</td>
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<td>AEP Data</td>
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<td>Well Field Verified</td>
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**16-06-051-26 W4M**

**Well Owner:** Sheridan, David/Janette  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

<table>
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<th>Well Number</th>
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<tr>
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<td>214835</td>
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<td>15 Feb 82</td>
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<td>Date Completed</td>
<td>16 Feb 82</td>
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</table>

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 38.4 (m)  
- **NPWL (m):** 26.2  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 35.7  
- **Bottom (m):** 35.7  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0  
- **Seal Type:** Puddled Clay  
- **from (m):** to 24.4

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

**Screen:**
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 35.7 to 37.2  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):** 35.4

**Testing:**
- **Rate (lpm):** 13.7  
- **Time (minute):** 420.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **Mercury:**  
- **Cond. (µS/cm):**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Sulphate:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 98.1 m
- **NPWL (m):** 16.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 25.6
- **Bottom (m):** 25.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 25.6

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 24.4
- **Bottom (m):** 98.1
- **Perforated How:** Saw
- **from (m):** to 48.8
- **Size:** to 86.0
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 98.1
- **Rate (lpm):** 6.8
- **Time (minute):** 480.0
- **Level End (m):** 74.7
- **Drawdown (m):** 57.9
- **Rec'd intake (m):** 76.2
- **Rec'd Rate (lpm):** 4.6

**Laboratory:**

- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphorus:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 00770**

**Elevation (AMSL) (m):** 701

**Licence No.:** 169089

**Date Started:** 21 Jul 92

**Easting:** 78.564.27

**Date Completed:** 23 Jul 92

**Northing:** 5,912.649.50

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>2.4 698.6 Clay Sandy</td>
<td>5.2</td>
<td>695.8 Sand</td>
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<tr>
<td>13.4 687.6 Clay Sandy Blue</td>
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<td>686.1 Sandstone</td>
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<td>23.8 677.3 Shale Gray</td>
<td>27.1</td>
<td>673.9 Shale Green</td>
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<td>34.4 666.2 Shale Gray</td>
<td>40.5</td>
<td>660.5 Sandstone</td>
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<td>40.8 660.2 Shale &amp; Coal Brown</td>
<td>44.5</td>
<td>656.5 Shale Gray</td>
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<td>46.0 655.0 Shale &amp; Coal Brown</td>
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<td>651.3 Shale Gray</td>
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<td>641.0 Shale Gray</td>
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<td>62.8 638.2 Sandstone</td>
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<td>75.9 625.1 Sandstone</td>
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<td>621.5 Shale Gray</td>
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<td>84.7 616.3 Sandstone</td>
<td>98.1</td>
<td>602.9 Shale Gray</td>
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</tbody>
</table>

**Testing:**

- **Rate (lpm):** 6.8
- **Time (minute):** 480.0
- **Rec'd Rate (lpm):** 98.1
- **Rec'd intake (m):** 76.2

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
Water Well Positioned by PFRA in 10TM NAD 27
**NE 06-051-26 W4M**

Well Owner: *Klann, Gunther*

Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*

<table>
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<td>152366</td>
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<td>Date Started:</td>
<td>13 Jul 90</td>
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<td>AEP:</td>
<td>78,647.62</td>
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<td>Northing:</td>
<td>5,912,360.18</td>
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**General:**
- Type of Work: **Dry Hole**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 25.9 m
- NPWL (m): Verified NPWL (m): Unknown
- Abandonment: Unknown

**Casing:**
- **Type:** 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- **Type:** 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Screen:**
- **Material:**
- OD (mm):
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- Intake (m):

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Sodium:**
- **Nitrite:**
- **Vanadium:**
- **TC:**
- **DIC:**
- **Bicarbonate:**
- **Calcium:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Amm Nitrogen:**
- **Iron:**
- **Copper:**
- **TOC:**
- **Silica:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**

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<tr>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>Depth</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>5.5</td>
</tr>
<tr>
<td>11.3</td>
</tr>
<tr>
<td>12.2</td>
</tr>
<tr>
<td>13.1</td>
</tr>
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<td>13.7</td>
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<td>18.6</td>
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<td>19.8</td>
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<td>20.7</td>
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<td>21.3</td>
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<tr>
<td>22.3</td>
</tr>
<tr>
<td>24.4</td>
</tr>
<tr>
<td>25.9</td>
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</table>

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27
### NE 06-051-26 W4M

**Well Owner:** Klann, Gunther  
**Drilling Contractor:** Kc Drilling (Leduc)

**Elevation (AMSL) (m):** 701  
**AEP:** 154044  
**Licence No.:** Easting: 78564.27  
**Date Started:** 20 Jul 90  
**Northing:** 5912649.50  
**Date Completed:** 23 Jul 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic  
- **Completed Depth:** 26.8 (m)  
  - NPWL (m): 2.4  
  - Verified NPWL (m):  
- **Abandonment:**
  - Depth (m): Bottom (m):  
  - OD (mm): Thickness (mm):  
- **Casing:**
  - **Type:** Puddled Clay  
  - **from (m):**  to 3.1

### Casing:
- **Depth (m):** 635.0  
- **Thickness (mm):** 0.0  
- **Top (m):** Bottom (m): 26.8

### Liner:
- **Type:** Axe/Chisel  
- **from (m):** 11.3 to 12.2  
- **Size:**  
- **from (m):** 23.5 to 24.7  
- **Size:**  
- **from (m):**  to  

### Screen:
- **Material:**  
- **OD (mm):**  
  - **from (m):** to  
  - **from (m):** to  

### Open Hole:
- **from (m):**  to  

### Pump:
- **Model:**  
- **Intake (m):** 25.9

### Testing:
- **Rate (lpm):** 4.6  
- **Time (minute):** 780.0  
- **Level End (m):** 24.7  
- **Drawdown (m):** 22.3  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Electric Log: Yes  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: Dry Hole
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 64.0 (m)
  - NPWL (m): Verified NPWL (m):
- Abandonment: Unknown

**Casing:**
- Type:
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
  - from (m): to

**Liner:**
- Type:
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):
- Testing:
  - Rate (lpm): Time (minute):
  - Level End (m): Drawdown (m):
  - Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphates
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate & Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Depth Elevation**
- (m) (mL)
- Lithologic Description
- 5.5 692.9 Clay Yellow
- 11.3 687.2 Clay Blue
- 12.2 686.2 Sand & Gravel
- 12.8 685.6 Clay Stoney Blue
- 13.7 684.7 Sand
- 18.6 679.8 Clay Stoney Blue
- 19.8 678.6 Sand
- 21.3 677.1 Gravel Clayey Yellow
- 22.3 676.2 Sand
- 23.2 675.3 Clay Blue
- 25.9 672.5 Shale Sandy Gray
- 35.0 663.4 Shale Light Gray
- 39.0 659.4 Shale Sandy Gray
- 39.6 658.8 Shale Gray
- 40.2 658.2 Coal
- 44.2 654.2 Shale Gray
- 45.1 653.3 Shale & Coal Brown
- 49.7 648.8 Shale Gray
- 50.6 647.8 Shale Sandy Gray
- 54.9 643.6 Shale Gray
- 57.0 641.4 Sandstone
- 57.3 641.1 Shale Gray
- 59.7 638.7 Shale & Coal Brown
- 64.0 634.4 Shale Gray

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.3 (m)
  - NPWL (m): 24.4
  - Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Plastic
  - Depth (m): 37.5
  - Bottom (m): 37.5
  - OD (mm): 152.4
  - Thickness (mm): 0.1
- **Seal Type:** Bentonite Chips/Tabl
  - from (m): to 7.6

### Liner:
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
  - OD (mm): 7.5
  - from (m): 37.8 to 39.3
  - Thickness (mm): 0.01
- **Open Hole:**
  - from (m): to

### Pump:
- **Model:** Berkley
  - Intake (m): 36.6

### Testing:
- **Rate (lpm):** 36.5
  - Time (minute): 120.0
  - Level End (m): 36.6
  - Drawdown (m): 12.2
  - Rec'd Rate (lpm): 36.6
  - Rec'd intake (m): 27.4

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):** COD
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate&Nitrite N
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 06-051-26 W4M**

Well Owner: **Taschuk, Bernard**

Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**Elevation (AMSL) (m):** 701  
**AEP:** 164464  
**Date Started:** 13 Feb 92  
**Easting:** 78,564.27  
**Date Completed:** 19 Feb 92  
**Northing:** 5,912,649.50

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 77.7 (m)
- **NPWL (m):** 24.4  
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 49.7  
  - **Bottom (m):** 49.7
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to
  - **Liner:**
  - **Type:**
  - **OD (mm):** 127.0  
  - **Thickness (mm):** 0.1
  - **Top (m):** 46.6  
  - **Bottom (m):** 76.5
  - **Perforated How:** Machine
  - **from (m):** to  
  - **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to  
  - **Open Hole:**
  - **from (m):** to
  - **Pump:**
  - **Model:**
  - **Intake (m):** 61.0
  - **Testing:**
  - **Rate (lpm):** 9.1  
  - **Time (minute):** 420.0
  - **Level End (m):** 61.0  
  - **Drawdown (m):** 36.6
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

---

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **pH (pH unit):**
- **COD**
- **SAR**
- **TKN**
- **Nitrate**
- **Nitrite**
- **Beryllium**
- **Barium**
- **Manganese**
- **Beryllium**
- **Phosphate**
- **Cadmium**
- **Selenium**
- **TC**
- **DIC**
- **Arsenic**
- **Strontium**
- **Nitrates**
- **Molybdenum**
- **AN**
- **Iron**
- **Copper**
- **Zinc**
- **Manganese**
- **Orthophosphate**
- **Sulphate**
- **Calcium**
- **Nickel**
- **Selenium**
- **Sodium**
- **Sulphate**
- **Calcium**
- **Iron**
- **TOC**
- **Silica**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Dry Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth (m):** 92.7  
- **NPWL (m):** Verified  
- **Abandonment:** Bentonite Product  
- **Abandoned on:** 19 May 95

### Casing:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  

### Liner:
- **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to Size:  
  - from (m): to Size:  

### Screen:
- **Material:**  
  - **OD (mm):** from (m): to Size:  
  - from (m): to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
  - **Intake (m):**  
  - **Rate (lpm):** Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
  - **COD:** Mercury  
  - **SAR:** Nickel  
  - **TKN:** Selenium  
  - **Sodium:** Nitrate Strontium  
  - **Potassium:** Nitrite Molybdenum  
  - **Calcium:** TN Vanadium  
  - **Magnesium:** TC Zinc  
  - **Carbonate:** DIC Hydroxide  
  - **Bicarbonate:** Arsenic Total Hardness  
  - **Aluminium:** Barium Manganese  
  - **Sulphate:** Beryllium Phosphate  
  - **Chloride:** Cadmium Ion Balance  
  - **Fluoride:** Chromium Amm. Nitrogen  
  - **Iron:** Cobalt Total Phosphate  
  - **TOC:** Copper Total Alkalinity  
  - **Silica:** Lead Nitrate&Nitriite N  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity  
- **Aquifer Test:**  
- **TOC:** Project: Database: 1.000H  
- **Lead:** Nitrate&Nitriite N  
- **Nitrates:**  
- **Ammonium:**  
- **Chlorides:**  
- **Sulphates:**  
- **Bicarbonates:**  
- **Hydroxides:**  
- **Arsenic:**  
- **Barium:**  
- **Beryllium:**  
- **Calcium:**  
- **Cadmium:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Iron:**  
- **Magnesium:**  
- **Manganese:**  
- **Nitrate:**  
- **Nitrite:**  
- **Phosphates:**  
- **Potassium:**  
- **Selenium:**  
- **Silica:**  
- **Total Hardness:**  
- **Vanadium:**  
- **Zinc:**  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number:** 00777  
**Elevation (AMSL) (m):** 698  
**AEP:** 260135  
**Licence No.:** 78.647.62  
**Easting:** 5,912,360.18  
**Northing:** 78,647.62  
**Date Started:** 19 May 95  
**Date Completed:** 19 May 95
### General:
- **Type of Work:** Dry Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completed Depth:
- **32.0 m**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Bentonite Product, 24 May 95

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
  - Intake (m):
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD, Mercury
- **Cond. (µS/cm):** SAR, Nickel
- **TDS:** TKN, Selenium
- **Sodium:** Nitrate, Strontium
- **Potassium:** Nitrite, Molybdenum
- **Calcium:** TN, Vanadium
- **Magnesium:** TC, Zinc
- **Carbonate:** DIC, Hydroxide
- **Bicarbonate:** Arsenic, Total Hardness
- **Aluminum:** Barium, Manganese
- **Sulphate:** Beryllium, Phosphorus
- **Chloride:** Cadmium, Ion Balance
- **Fluoride:** Chromium, Amm. Nitrogen
- **Iron:** Cobalt, Total Phosphate
- **TOC:** Copper, Total Alkalinity
- **Silica:** Lead, Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

### Depth Elevation
- **(BGL) (AMSL):**
  - **(m) (m):**

### Lithologic Description
- **7.0 691.4: Sand Fine Grained Yellow**
- **9.8 688.7: Clay Yellow**
- **12.2 686.2: Clay & Sand**
- **18.3 680.1: Clay Blue**
- **21.3 677.1: Sand**
- **25.6 672.8: Clay Blue**
- **27.7 670.7: Sand**
- **28.4 670.1: Clay Blue**
- **32.0 666.4: Shale Green**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
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<td><strong>(m)</strong></td>
<td><strong>(m)</strong></td>
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<td></td>
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<tr>
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<td>Completed Depth</td>
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<tr>
<td><strong>E: from (m):</strong></td>
<td>to</td>
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<td><strong>Type:</strong></td>
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<td>Thickness (mm):</td>
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<td><strong>Top (m):</strong></td>
<td>Bottom (m):</td>
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<td>from (m): to Size:</td>
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<tr>
<td><strong>from (m):</strong></td>
<td>to Size:</td>
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<tr>
<td><strong>Open Hole:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
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<td><strong>Pump:</strong></td>
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<td><strong>pH (pH unit):</strong></td>
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<td><strong>TDS:</strong></td>
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<td><strong>Sodium:</strong></td>
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<td><strong>Calcium:</strong></td>
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<td><strong>Magnesium:</strong></td>
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<td><strong>Chloride:</strong></td>
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<td><strong>Iron:</strong></td>
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<td><strong>Silica:</strong></td>
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<th>Remarks:</th>
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<th>Transmissivity:</th>
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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
<td><strong>No</strong></td>
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<td><strong>Database:</strong></td>
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<tr>
<td><strong>Well Field Verified:</strong></td>
<td><strong>No</strong></td>
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Water Well Positioned by PFRA in 10TM NAD 27
### General:
- Type of Work: **Chemistry**
- Drilling Method: **Not Applicable**
- Well Use: **Domestic**
- Completed Depth: 45.7 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

### Casing:
- Type:
  - Depth (m):
  - OD (mm): Thickness (mm):
- Seal Type:
  - from (m): to

### Liner:
- Type:
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- Model: Intake (m):

### Testing:
- Rate (lpm):
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec'd intake (m): Rec'd Rate (lpm):

### Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Nitrate:
- Strontium:
- Potassium:
- Nitrite:
- Molybdenum:
- Calcium:
- TN:
- Vanadium:
- Magnesium:
- TC:
- Zinc:
- Carbonate:
- DIC:
- Hydroxide:
- Bicarbonate:
- Arsenic:
- Total Hardness:
- Aluminum:
- Barium:
- Manganese:
- Sulphate:
- Beryllium:
- Phosphate:
- Chloride:
- Cadmium:
- Ion Balance:
- Fluoride:
- Chromium:
- Amm. Nitrogen:
- Iron:
- Cobalt:
- Total Phosphate:
- TOC:
- Copper:
- Total Alkalinity:
- Silica:
- Lead:
- Nitrate & Nitrite N:

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

### Well Number: 00780
- **Well Owner:** Bilodeau, Lionel
- **Elevation (AMSL) (m):** 704
- **AEP:** 156628
- **Date Started:**
- **Date Completed:**
- **Licence No.:**
- **Easting:** 78,784.46
- **Northing:** 5,914,354.00

---

### Lithologic Description:
- **Not Applicable**
- **(No Lithologic Information Available)**
**General:**
- Type of Work: **New Well**
- Drilling Method: **Bored**
- Well Use: **Domestic**
- Completed Depth: **21.9** (m)
- NPWL (m): **2.7**
- Verified NPWL (m): **2.7**
- Abandonment: **No**

**Casing:**
- Type: **Galvanized Steel**
  - Depth (m): **21.9**
  - Bottom (m): **21.9**
- OD (mm): **609.6**
- Thickness (mm): **0.0**
- Seal Type: **Puddled Clay**
  - from (m): to **4.6**

**Liner:**
- Type: **Galvanized Steel**
  - OD (mm): **7.3**
  - Top (m): **8.2**
  - Bottom (m): **8.8**
- Perforated How:
  - from (m): to **Size:**
  - from (m): to **Size:**
  - from (m): to **Size:**

**Screen:**
- Material: **St**
  - OD (mm): **7.3**
  - from (m): **8.2**
  - to **8.8**
  - Size: **0.01**
- Open Hole:
  - from (m): to **Size:**

**Pump:**
- Model: **Intake (m): 19.8**

**Testing:**
- Rate (lpm): **136.8**
- Time (minute): **180.0**
- Level End (m): **13.7**
- Drawdown (m): **3.1**
- Rec'd intake (m): **68.4**

**Laboratory:**
- pH (pH unit): **COD**
- Cond. (µS/cm): **SAR**
- TDS: **TNK**
- Sodium: **Nitrate**
- Potassium: **Nitrite**
- Calcium: **Molybdenum**
- Magnesium: **TC**
- Carbonate: **Zinc**
- Bicarbonate: **Hydroxide**
- Barium: **Total Hardness**
- Sulphate: **Phosphate**
- Chloride: **Ion Balance**
- Fluoride: **Amm. Nitrogen**
- Iron: **Total Phosphate**
- TOC: **Total Alkalinity**
- Silicon: **Phosphate**
  - Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation**

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<th>Lithologic Description</th>
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<td>3.7</td>
<td>695.6</td>
<td>Sand Silty Brown</td>
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<tr>
<td>9.8</td>
<td>689.5</td>
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<td>20.7</td>
<td>678.5</td>
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<tr>
<td>21.6</td>
<td>677.6</td>
<td>Sand &amp; Gravel Clayey</td>
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<td>21.9</td>
<td>677.3</td>
<td>Clay Blue</td>
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**Database:**
- *Project: Database: 1.000H*
- *AEP Data: Yes Well Field Verified: No*
**NW 07-051-26 W4M**

**Well Owner:** Cherewyk, Jerry  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

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<tr>
<th>Testing:</th>
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<tbody>
<tr>
<td>Rate (lpm): 68.4</td>
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<td>Time (minute): 420.0</td>
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<tr>
<td>Drawdown (m): 11.9</td>
</tr>
<tr>
<td>Rec'd intake (m): 45.6</td>
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<table>
<thead>
<tr>
<th>Laboratory:</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit):</td>
</tr>
<tr>
<td>Cond. (µS/cm):</td>
</tr>
<tr>
<td>TDS:</td>
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<tr>
<td>Sodium:</td>
</tr>
<tr>
<td>Nitrate:</td>
</tr>
<tr>
<td>Strontium:</td>
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<tr>
<td>Potassium:</td>
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<tr>
<td>Nitrite:</td>
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<tr>
<td>Molybdenum:</td>
</tr>
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<td>Calcium:</td>
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<tr>
<td>TN:</td>
</tr>
<tr>
<td>Vanadium:</td>
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<tr>
<td>Magnesium:</td>
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<tr>
<td>TC:</td>
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<td>Zinc:</td>
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<td>Carbonate:</td>
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<tr>
<td>DIC:</td>
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<td>Hydroxide:</td>
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<td>Aluminum:</td>
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<td>Barium:</td>
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<td>Manganese:</td>
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<td>Beryllium:</td>
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<td>Chloride:</td>
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<td>Chromium:</td>
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<td>Amm. Nitrogen:</td>
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<tr>
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<tr>
<td>Lead:</td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N:</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
</tr>
</tbody>
</table>

| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 07-051-26 W4M**

**Well Owner:** Cherowick, J (Double D Foods)

**Drilling Contractor:** Kap'S Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>(BGL) (AMSL)</td>
</tr>
<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td>(m)</td>
</tr>
<tr>
<td>Well Use: <strong>Domestic</strong></td>
<td><strong>Clay Sandy Brown</strong></td>
</tr>
<tr>
<td>Completed Depth 51.8 (m)</td>
<td>7.6 696.0</td>
</tr>
<tr>
<td>NPWL (m): 13.7</td>
<td>15.2 688.4</td>
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<tr>
<td>Abandonment:</td>
<td>21.3 682.3</td>
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<tr>
<td>Casing:</td>
<td>32.0 671.6</td>
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<tr>
<td>Type: <strong>Plastic</strong></td>
<td>51.8 651.8</td>
</tr>
<tr>
<td>Depth (m): 50.3</td>
<td><strong>Sand Coarse Grained Gray</strong></td>
</tr>
<tr>
<td>Bottom (m): 50.3</td>
<td>62.2 36.6</td>
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<tr>
<td>OD (mm): 133.4</td>
<td>68.2 32.0</td>
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<tr>
<td>Thickness (mm): 0.1</td>
<td>70.4 28.0</td>
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<td>Seal Type:</td>
<td>72.6 24.0</td>
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<tr>
<td>from (m):</td>
<td>74.8 20.0</td>
</tr>
<tr>
<td>to</td>
<td>77.0 16.0</td>
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<tr>
<td>Liner:</td>
<td>from (m): 50.3</td>
</tr>
<tr>
<td>Type:</td>
<td>to 51.8</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>50.3</td>
</tr>
<tr>
<td>Top (m):</td>
<td>51.8</td>
</tr>
<tr>
<td>Bottom (m):</td>
<td>Size: 0.01</td>
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<tr>
<td>Perforated How:</td>
<td>from (m):</td>
</tr>
<tr>
<td>to</td>
<td>50.3</td>
</tr>
<tr>
<td>from (m):</td>
<td>51.8</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Screen:</td>
<td>Open Hole:</td>
</tr>
<tr>
<td>Material: St</td>
<td>from (m):</td>
</tr>
<tr>
<td>OD (mm): 1.2</td>
<td>to 50.3</td>
</tr>
<tr>
<td>from (m):</td>
<td>51.8</td>
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<tr>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>Size:</td>
</tr>
<tr>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Pump:</td>
<td>Testing:</td>
</tr>
<tr>
<td>Model:</td>
<td>Rate (lpm): 63.9</td>
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<tr>
<td>Intake (m):</td>
<td>Level End (m): 122.9</td>
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<tr>
<td>Electric Log: <strong>No</strong></td>
<td>Transmissivity:</td>
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<tr>
<td>Gamma Log: <strong>No</strong></td>
<td>Storativity:</td>
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<td>Aquifer Test: <strong>No</strong></td>
<td>Project:</td>
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<tr>
<td>AEP Data: <strong>Yes</strong></td>
<td>Well Field Verified: <strong>No</strong></td>
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</tbody>
</table>

### Laboratory:

- **pH (pH unit)**
- **COD**
- **Mercury**
- **SAR**
- **Nickel**
- **TDS**
- **TKN**
- **Selenium**
- **Sodium**
- **Nitrate**
- **Strontium**
- **Potassium**
- **Nitrite**
- **Molybdenum**
- **Calcium**
- **TN**
- **Vanadium**
- **Magnesium**
- **TC**
- **Zinc**
- **Carbonate**
- **DIC**
- **Hydroxide**
- **Bicarbonate**
- **Arsenic**
- **Total Hardness**
- **Aluminium**
- **Barium**
- **Manganese**
- **Sulphate**
- **Beryllium**
- **Phosphorus**
- **Chloride**
- **Cadmium**
- **Ion Balance**
- **Fluoride**
- **Chromium**
- **Amm. Nitrogen**
- **Iron**
- **Cobalt**
- **Total Phosphate**
- **TOC**
- **Copper**
- **Total Alkalinity**
- **Silica**
- **Lead**
- **Nitrate&Nitrite N**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 07-051-26 W4M**

**Well Owner:** Double D Foods  
**Drilling Contractor:** Kap’S Drilling Ltd.

**Elevation (AMSL) (m):** 701  
**AEP:** 160270  
**Licence No.:** Easting: 77,725.59  
**Date Started:** 11 Sep 91  
**Northing: 5,814,520.00**  
**Date Completed:** 12 Sep 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 53.3 (m)  
- **NPWL (m):** 14.6  
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Plastic  
- **Depth (m):** 51.2  
- **Bottom (m):** 51.2  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Clay Cap  
- **from (m):** to 51.2

### Casing:
- **Type:** Plastic  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1

### Liner:
- **Type:** Plastic  
- **OD (mm):** 127.0  
- **Thickness (mm):**

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** to 51.2  
- **Bottom (m):** 52.4  
- **Size:** 0.01

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 48.8

### Testing:
- **Rate (lpm):** 63.9  
- **Time (minute):** 120.0  
- **Level End (m):** Drawdown (m):  
- **Rec'd Rate (lpm):** 48.8  
- **Rec'd intake (m):** 31.9

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Potassium:**  
- **Nitrite:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Aluminium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:**  
- **Chromium:**  
- **Iron:**  
- **Cobalt:**  
- **TOC:**  
- **Copper:**  
- **Silica:**  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:**  
- **Aquifer Test:**  
- **TOC:**  
- **Screen:**  
- **Open Hole:**  
- **Pump:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 46.0 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 42.7  
  **Bottom (m):** 42.7
- **OD (mm):** 127.0  
  **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 42.7 to 44.2  
  **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to Size:

### Pump:
- **Model:**
- **Intake (m):** 41.2

### Testing:
- **Rate (lpm):** 36.5  
  **Time (minute):** 120.0
- **Level End (m):** 20.4  
  **Drawdown (m):** 2.1
- **Rec'd intake (m):** 30.5  
  **Rec'd Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Strontium:** Potassium
- **Potassium:** Nitrite
- **Selenium:** Molybdenum
- **Calcium:** TN
- **Vanadium:** Calcium
- **Magnesium:** TC
- **Zinc:** Carbonate
- **Hydroxide:** Bicarbonate
- **Arsenic:** Barium
- **Total Hardness:** Manganese
- **Aluminum:** Sulphate
- **Beryllium:** Chloride
- **Phosphate:** Fluoride
- **Amm. Nitrogen:** Iron
- **Total Phosphate:** TOC
- **Copper:** Silica
- **Total Alkalinity:** Lead
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
  - **Project:**
  - **Database:** 1.000H
- **AEP Data:** Yes  
  **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 00785

**Well Owner:** Macisaac, Doug

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 704  
**AEP:** 242331

**Licence No.:** 77,696.66  
**Date Started:** 26 Aug 94  
**Northing:** 5,814,218.50  
**Date Completed:** 27 Aug 94

---

**Depth Elevation:**

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Sand</td>
<td>10.7</td>
<td>693.0</td>
</tr>
<tr>
<td>Clay Silty</td>
<td>19.5</td>
<td>684.1</td>
</tr>
<tr>
<td>Clay &amp; Rocks</td>
<td>29.3</td>
<td>674.4</td>
</tr>
<tr>
<td>Coal</td>
<td>29.9</td>
<td>673.8</td>
</tr>
<tr>
<td>Clay &amp; Rocks</td>
<td>33.8</td>
<td>669.8</td>
</tr>
<tr>
<td>Sand</td>
<td>46.0</td>
<td>657.6</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic
- Completed Depth: (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:
- **Casing:**
  - Type: Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type: from (m): to
- **Liner:**
  - Type: OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How: from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:
- **Screen:**
  - Material: OD (mm):
    - from (m): to Size:
    - from (m): to Size:
  - **Open Hole:** from (m): to
- **Pump:**
  - Model: Intake (m):
- **Testing:**
  - Rate (lpm): Time (minute):
  - Level End (m): Drawdown (m):
  - Rec'd intake (m): Rec'd Rate (lpm):

### Laboratory:
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation

<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(No Lithologic Information Available)</td>
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<td></td>
</tr>
</tbody>
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### Other Data:
- **Well Number:** 00786
- **Elevation (AMSL) (m):** 701
- **AEP:** 163324
- **Licence No.:** Easting: 77,710.13
- **Date Started:** Northing: 5,913,407.00
- **Date Completed:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

### Chemical Constituents:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- Transmissivity: m³/day
- Gamma Log: Storativity:
- Aquifer Test: NO
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

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<tr>
<th>Completed Depth (m)</th>
<th>NPWL (m):</th>
<th>Verified NPWL (m):</th>
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<tr>
<td>(m)</td>
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</table>

**Abandonment:**

- **Type:**
  - Bottom (m):
- **Thickness (mm):**

**Liner:**

- **Type:**
  - OD (mm):
  - Top (m): Bottom (m):
- **Thickness (mm):**

**Screen:**

- **Material:**
  - OD (mm):
  - from (m): to
  - from (m): to
  - from (m): to
- **Thickness (mm):**

**Open Hole:**

- **from (m): to**

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):** Time (minute):
  - Level End (m): Drawdown (m):
  - Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Stockwell, Lane
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 701
Licence No.: 166977
Date Started: 07 Jul 92
Easting: 77,710.13
Date Completed: 09 Jul 92
Northing: 5,913,407.00

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 76.2 (m)
- NPWL (m): 22.3
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 31.1
- Bottom (m): 31.1
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Driven & Shale Trap
  - from (m): to 30.8

Linier:
- Type: Machine
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 29.0
- Bottom (m): 76.2
- Perforated How: Machine
  - from (m): to 74.7
  - Size:
  - from (m): to Size:
  - from (m): to Size:

Lithologic Description:
- NPWL (m): 691.1
- Verified NPWL (m):
- Abandonment:
- Casing:
  - Type:
  - Bottom (m): Depth (m):
    - Thickness (mm): OD (mm):
  - Seal Type:
- Linier:
  - Type:
  - OD (mm):
  - Top (m):
  - Bottom (m):
- Screen:
  - Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

Pump:
- Model:
- Intake (m): 54.9
- Testing:
- Rate (lpm): 22.8
  - Time (minute): 420.0
- Level End (m): 49.7
  - Drawdown (m): 27.4
- Rec'd intake (m): Rec'd Rate (lpm): 18.2

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- COD
- SAR
- Nickel
- TDS
- TKN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminium
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate & Nitrite

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 00789**

**Well Owner:** Bruner, Brendan B.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 699

**Licence No.:** AEP: 167757

**Date Started:**

**Date Completed:**

**Easting:** 80,245.58

**Northing:** 5,514,014.50

---

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 53.3 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Phosphate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Sulphate:**
- **Bicarbonate:**
- **Carbonate:**
- **Ammonium:**
- **Nitrate:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate&Nitrite:**
- **Silica:**
- **Phosphate:**
- **Sulphate:**
- **Hydroxide:**
- **Carbonate:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate&Nitrite:**

**Remarks:**

Chemical Constituents are in mg/l (ppm), except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**NE 08-051-26 W4M**

**Well Owner:** Bull, Rod  
**Drilling Contractor:** Unknown Driller

**Well Number:** 00790  
**Elevation (AMSL) (m):** 703  
**AEP:** 168471  
**Licence No.:** Easting: 80,033.05  
**Date Started:** Northing: 5,814,452.00  
**Date Completed:**

---

**General:**
- Type of Work: Chemistry  
- Drilling Method: Unknown  
- Well Use: Domestic  
- Completed Depth: 3.1 (m)  
- NPWL (m): Verified NPWL (m):  
- Abandonment:

**Casing:**
- Type:  
- Depth (m): Bottom (m):  
- OD (mm): Thickness (mm):  
- Seal Type: from (m): to

**Liner:**
- Type:  
- OD (mm): Thickness (mm):  
- Top (m): Bottom (m):  
- Perforated How: from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

**Screen:**
- Material:  
- OD (mm): from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

---

**Laboratory:**
- pH (pH unit)  
- Cond. (µS/cm)  
- TDS  
- Sodium  
- Potassium  
- Calcium  
- Magnesium  
- Carbonate  
- Bicarbonate  
- Aluminium  
- Sulphate  
- Chloride  
- Fluoride  
- Iron  
- TOC  
- Silica  
- pH (pH unit)  
- COD  
- SAR  
- TKN  
- Nitrate  
- Nitrite  
- Barium  
- Molybdenum  
- Beryllium  
- Bismuth  
- Cadmium  
- Chromium  
- Cobalt  
- Copper  
- Lead  
- Sodium  
- Nitrate  

- Electric Log: No  
- Gamma Log: No  
- Aquifer Test: No  
- AEP Data: Yes

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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*Chemical Constituents are in mg/l (ppm). Except as noted.*
**NE 08-051-26 W4M**

**Well Number: 00791**

**Well Owner:** Gerbrandt, Greg  
Drilling Contractor: Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 699  
**AEP:** 158389  
**Licence No.:**  
**Easting:** 80,245.58  
**Northing:** 5,814,014.50  
**Date Started:** 10 Jul 91  
**Date Completed:** 11 Jul 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 (m)  
- **NPWL (m):** 20.4  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 46.6  
- **Bottom (m):** 46.6  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 24.4

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:
- **Material:** St  
- **OD (mm):** 1.1  
- **from (m):** 46.6 to 48.2  
- **Size:** 0.01  
- **from (m):** to Size:  
- **Open Hole:**  
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 38.1

### Testing:
- **Rate (lpm):** 36.5  
- **Time (minute):** 420.0  
- **Level End (m):** 38.1  
- **Drawdown (m):** 17.7  
- **Rec’d Rate (lpm):**  
- **Rec’d intake (m):** 27.4

### Laboratory:
- pH (pH unit)  
- COD  
- Mercury  
- SAR  
- Nickel  
- TDS  
- TKN  
- Selenium  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminum  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
- Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- Silicon  
- Lead  
- Nitrate&Nitrite N  
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Project:** Database: 1.000H  
**Electrical Log:** No  
**Transmissivity:** m²/day  
**Amm. Nitrogen:**  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
Well Number: 00792

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 49.7 (m)
- **NPWL (m):** 23.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 46.9
- **Bottom (m):** 46.9
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 29.0

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 46.9 to 48.5
- **Size:** 0.01
- **from (m):** to Size:
- **Open Hole:**
  - from (m): to

**Pump:** Sub
- **Model:** Intake (m): 45.1

**Testing:**
- **Rate (lpm):** 54.7
- **Time (minute):** 420.0
- **Level End (m):** 42.7
- **Drawdown (m):** 19.5
- **Rec'd intake (m):** 45.1
- **Rec'd Rate (lpm):** 27.4

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NW 08-051-26 W4M**

**Well Owner:** Culleton, Joe  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**General:**  
- **Type of Work:** Old Well-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:**  
  - Completed Depth: 91.4 (m)  
  - NPWL (m): 13.7  
  - Verifed NPWL (m):  
- **Abandonment:**
  - **Depth (m):**  
  - **Bottom (m):**  
  - **OD (mm):**  
  - **Thickness (mm):**  
- **Seal Type:**
  - **from (m):** to  
- **Casing:**
  - **Type:**
  - **Depth (m):**  
  - **Bottom (m):**  
  - **OD (mm):**  
  - **Thickness (mm):**  
- **Liner:**
  - **Type:**
  - **OD (mm):**  
  - **Thickmess (mm):**  
  - **Top (m):**  
  - **Bottom (m):**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
- **Screen:**
  - **Material:**
  - **OD (mm):**  
  - **Thickness (mm):**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
- **Open Hole:**
  - **from (m):** to  
- **Pump:**
  - **Model:**  
  - **Intake (m):** 70.1  
- **Testing:**
  - **Rate (lpm):** 4.6  
  - **Time (minute):** 4320.0  
  - **Level End (m):** 53.2  
  - **Drawdown (m):** 41.5  
  - **Rec'd Intake (m):**  
  - **Rec'd Rate (lpm):**  

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation**

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**Transmissivity:** m²/day  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

***Chemical Constituents are in mg/l (ppm). Except as noted.***

**Electric Log:** No  
**Gamma Log:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes

***Chemical Constituents are in mg/l (ppm). Except as noted.***

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 30.5 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

**Liner:**

- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**

- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
    - **from (m):**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 00794

**Well Owner:** Park, Jack

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 702

**Licence No.:** 160751

**Date Started:**

**Date Completed:**

**Easting:** 79,072.90

**Northing:** 5,814,042.00

**Printed on:** 2/20/98
Well Number: 00795

Well Owner: Parnell, Don
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 699
AEP: 150193
Licence No.: Easting: 79,429.05
Date Started: 06 Mar 90
Northing: 5,814,003.57
Date Completed: 07 Mar 90

General:
Type of Work: New Well-Abandoned
Drilling Method: Rotary
Well Use: Unknown
Completed Depth: 20.1 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Other

Casing:
Type: Depth (m):
OD (mm):
Thickness (mm):
Seal Type: from (m):
to

Liner:
Type: OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:
Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
**NW 08-051-26 W4M**

**Well Owner:** Parnell, Don  
**Drilling Contractor:** Midwest Water Well Ltd.

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>(m)</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 08-051-26 W4M**

**Well Owner:** Parrell, Don  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

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  Chemical Constituents are in mg/l (ppm). Except as noted.
  
**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number 00797**

**Elevation (AMSL) (m):** 699  
**AEP:** 150192  
**Licence No.:** 79,429.05  
**Date Started:** 06 Mar 90  
**Date Completed:** 06 Mar 90  
**Easting:** 79,429.05  
**Northing:** 5,814,003.57
**Well Number**: 00798

**Well Owner**: Stewart, Dave

**Drilling Contractor**: Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m)**: 702  
**AEP**: 166433

**Licence No.**: 80,233.72  
**Eastings**: 5,913,440.00  
**Nortings**: 5,913,440.00

**Date Started**: 27 Sep 77  
**Date Completed**: 04 Oct 77

---

### General:

- **Type of Work**: New Well  
- **Drilling Method**: Rotary  
- **Well Use**: Domestic  
- **Completed Depth**: 43.3 (m)  
- **NPWL (m)**: 27.4  
- **Verified NPWL (m)**:

**Abandonment:**

- **Type**: Galvanized Steel  
- **Depth (m)**: 38.7  
- **Bottom (m)**: 38.7  
- **OD (mm)**: 114.3  
- **Thickness (mm)**:  
- **Seal Type**:  
- **from (m)**:  
- **to**:  

### Liner:

- **Type**:  
- **OD (mm)**:  
- **Thickness (mm)**:  
- **Top (m)**:  
- **Bottom (m)**:  

**Perforated How:**  
- **from (m)**:  
- **to**:  
- **Size**:  
- **from (m)**:  
- **to**:  
- **Size**:  
- **from (m)**:  
- **to**:  
- **Size**:  

### Screen:

- **Material**: Un  
- **OD (mm)**:  
- **from (m)**: 37.2  
- **to**: 38.7  
- **Size**: 0.01  
- **from (m)**:  
- **to**:  

**Open Hole:**  
- **from (m)**:  
- **to**:  

### Pump:

- **Model**: 1/2 H.P.  
- **Intake (m)**: 35.0  

### Testing:

- **Rate (lpm)**: 27.4  
- **Time (minute)**: 240.0  
- **Level End (m)**:  
- **Rec'd Rate (lpm)**:  
- **Rec'd intake (m)**:

### Laboratory:

- **pH (pH unit)**:  
- **COD**:  
- **Mercury**:  
- **SAR (µS/cm)**:  
- **Nickel**:  
- **TDS (mg/l)**:  
- **Selenium**:  
- **Sodium**:  
- **Strontium**:  
- **Potassium**:  
- **Molybdenum**:  
- **Calcium**:  
- **Vanadium**:  
- **Magnesium**:  
- **Zinc**:  
- **Carbonate**:  
- **Hydroxide**:  
- **Bicarbonate**:  
- **Total Hardness**:  
- **Arsenic**:  
- **Manganese**:  
- **Barium**:  
- **Phosphate**:  
- **Sulphate**:  
- **Beryllium**:  
- **Chloride**:  
- **Ion Balance**:  
- **Cadmium**:  
- **Amm. Nitrogen**:  
- **Fluoride**:  
- **Iron**:  
- **Total Phosphate**:  
- **Iron**:  
- **TOC**:  
- **Total Alkalinity**:  
- **Silica**:  
- **Lead**:  
- **Nitrate&Nitrite N**:  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log**: No  
**Transmissivity**: m²/day  
**Gamma Log**: No  
**Storativity**:  
**Aquifer Test**: No  
**Project**:  
**AEP Data**: Yes  
**Database**: 1.000H  
**Well Field Verified**: No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 09-051-26 W4M**  

**Well Owner:** Grivou, Emil  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 701  
**AEP:** 186498  
**Licence No.:** 81,674.02  
**Date Started:** 02 Dec 92  
**Nording:** 5,913,932.50  
**Date Completed:** 04 Dec 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 36.6 (m)  
- **NPWL (m):** 2.7  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casting:
- **Type:** Plastic  
- **Depth (m):** 24.1  
- **Bottom (m):** 24.1  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
  - **from (m):** 15.2  
  - **to:** 16.8

### Liner:
- **Type:**
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 24.1  
- **to:** 25.6  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):**  
  - **to:**

### Pump:
- **Model:**
  - **Intake (m):** 22.9

### Testing:
- **Rate (lpm):** 27.4  
- **Time (minute):** 120.0  
- **Level End (m):** 10.7  
- **Drawdown (m):** 7.9  
- **Rec'd intake (m):** 21.3  
- **Rec'd Rate (lpm):** 27.4

### Laboratory:
- | Parameter                  | Value       |
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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Electric Log:** No

### AEP Data:
- **Database:** 1.000H
- **Project:**
- **Well Field Verified:** No

### Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

printed on 2/20/98
**Well Number: 00800**

**Well Owner:** Pritchard, A.P. #Th-1197-E  
**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 700  
**AEP:** 233865  
**Licence No.:** 700  
**Eastings:** 82,047.58  
**Nothings:** 5,913,208.50  
**Date Started:** 11 Jun 74

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### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

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### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Depth Elevation (BGL) (AMSL) (m)

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### Electric Log:
- **Yes** Transmissivity: m³/day  
- **Gamma Log:** No  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 36.9 (m)
**NPWL (m):** 14.9

**Veriﬁed NPWL (m):**

**Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

### Seal Type:
- **Bentonite Chips/Tabl from (m):** 6.1 to 12.2

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 35.0 to 36.6
- **Size:** 0.01

### Open Hole:
- **from (m):**

### Pump:
- **Model:** "7g05412"
- **Intake (m):** 35.0

### Testing:
- **Rate (lpm):** 13.7
- **Time (minute):** 180.0
- **Level End (m):** 35.0
- **Drawdown (m):** 20.1
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Nitrite:**
- **Calcium:**
- **Magnesium:**
- **Silicate:**
- **Organic Carbon:**
- **Cadmium:**
- **Nickel:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**

### Electric Log:
- **Storativity:**
- **Amm. Nitrogen:**
- **Cadmium:**
- **Nitrate:**
- **Molybdenum:**
- **Phosphate:**
- **Vanadium:**
- **Hydroxide:**
- **Total Hardness:**
- **Iron:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 697
**Elevation (BGL) (m):**

**Lithologic Description:**
- **3.7 693.1 Sand Fine Grained Brown**
- **12.5 684.2 Clay Gray**
- **14.0 682.7 Sand & Gravel**
- **18.6 678.2 Sand Fine Grained Brown**
- **19.5 677.2 Clay Gray**
- **21.3 675.4 Sand Coarse Grained Gray**
- **22.3 674.5 Shale Green**
- **23.2 673.6 Sandstone**
- **23.8 673.0 Shale Brown**
- **25.3 671.4 Shale Green**
- **27.1 669.6 Sandstone**
- **28.4 668.4 Shale Brown**
- **29.3 667.5 Sandstone**
- **30.8 666.0 Shale Green**
- **33.2 663.5 Sandstone**
- **36.9 659.9 Coal**

**Database:** 1.000H

**AEP Data:** Yes

Well Field Verified: No

**Elevation (AMSL):** 697
**Elevation (BGL):**

**Licence No.:**
**Easting:** 83,533.84
**Northing:** 5,814,011.00

**Date Started:** 19 Oct 92
**Date Completed:** 21 Oct 92

**Well Number:** 00801

**Well Owner:** Dewes, B.
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.1 m
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:

- **Type:** Plastic
- **Depth (m):** 19.2
- **Bottom (m):** 19.2
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 18.3

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 19.2 to 20.7
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):** 18.3

### Testing:

- **Rate (lpm):** 18.2
- **Time (minute):** 420.0
- **Level End (m):** 15.2
- **Drawdown (m):** 7.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 18.2

### Laboratory:

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<td>TDS</td>
<td>TKN</td>
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<td>Lead</td>
</tr>
<tr>
<td></td>
<td>Nitrate&amp;Nitrite N</td>
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</table>

### Electric Log:

- No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Bentonite Product 20 Jan 93

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
**NE 10-051-26 W4M**

**Well Owner:** Timmerman (Banksiana Ranch)

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 697

**AEP:** 241588

**Licence No.:** Easting: 83,297.49

**Date Started:** 18 Jan 93

**Northing:** 5,814,387.50

**Date Completed:** 20 Jan 93

---

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<td>Well Use:</td>
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<tr>
<td>Completed Depth</td>
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**Casing:**

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<td>Bottom (m):</td>
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**Liner:**

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<td>to Size:</td>
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<td>from (m):</td>
<td>to Size:</td>
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**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): 42.7 |

**Testing:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 46.9 m
- **NPWL (m):** 16.1
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 41.8
- **Bottom (m):** 41.8
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 41.8 to **44.2** **Size:** 0.01
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 28.7

### Testing:
- **Rate (lpm):** 34.2
- **Time (minute):** 120.0
- **Level End (m):** 17.7
- **Drawdown (m):** 1.5
- **Rec'd intake (m):** 32.9
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Sulfate:** Beryllium
- **Calcium:** Cadmium
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 10-051-26 W4M**

**Well Number:** 00806

**Well Owner:** Escott, Richard

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 698

**Licence No.:** Easting: 83,420.09

**Date Started:** Northing: 5,913,211.00

**Date Completed:**

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 9.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Intake (m):

### Testing:

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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<th>Chemical Constituents</th>
<th>Unit</th>
<th>Concentration</th>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**SE 10-051-26 W4M**

**Well Owner:** Van Ducen, B./Olson, Allan S.
**Drilling Contractor:** Summer'S Drilling Ltd.

**Elevation (AMSL) (m):** 698  
**AEP:** 220734  
**Date Started:** 11 May 93  
**Date Completed:** 13 May 93  
**Licence No.:** 83,420.09  
**Northing:** 5,913,211.00

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic  
- **Completed Depth:** 18.6 (m)  
- **NPWL (m):** 9.1  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casings:
- **Type:** Galvanized Steel  
- **Depth (m):** 18.6  
- **Bottom (m):** 18.6  
- **OD (mm):** 609.6  
- **Thickness (mm):** 0.0  
- **Seal Type:** Puddled Clay  
  - **from (m):** to 4.6

### Liner:
- **Type:** St  
- **OD (mm):** 7.3  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 7.3  
- **Thickness (mm):**  
- **from (m):** 17.7  
- **to 18.3**  
- **Size:** 0.01  
- **Bottom (m):**
- **Top (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 18.6

### Testing:
- **Rate (lpm):** 18.2  
- **Time (minute):** 180.0  
- **Level End (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** Mercury  
- **TDS:** SAR  
- **Sodium:** Nickel  
- **Potassium:** Selenium  
- **Calcium:** Strontium  
- **Magnesium:** Molybdenum  
- **Carbonate:** Vanadium  
- **Bicarbonate:** Zinc  
- **Barium:** Hydroxide  
- **Aluminium:** Total Hardness  
- **Sulphate:** Arsenic  
- **Chloride:** Manganese  
- **Fluoride:** Ammonium  
- **Iron:** Nitrate  
- **TOC:** Nitrite  
- **Silica:** Total Nitrogen  
- **Perforated How:**
  - **Size:**
  - **Size:**
  - **Size:**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:
- **Aquifer Test:**

### Project:
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
**Well Number:** 00808  
**Elevation (AMSL) (m):** 698  
**AEP:** 220733  
**Licence No.:** 83,420.09  
**Date Started:** 07 May 93  
**Date Completed:** 07 May 93  

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 14.3 (m)  
- **NPWL (m):** 4.0  
- **Verified NPWL (m):** 
- **Abandonment:** 

**Casing:**  
- **Type:** Galvanized Steel  
- **Depth (m):** 14.3  
- **Bottom (m):** 14.3  
- **OD (mm):** 609.6  
- **Thickness (mm):** 0.0  
- **Seal Type:** Puddled Clay  
- **from (m):** to 4.6

**Liner:**  
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**  
- **Material:** St  
- **OD (mm):** 7.3  
- **from (m):** to 7.3  
- **Size:** 0.01  
- **from (m):** to Size:  

**Open Hole:**  
- **from (m):** to 

**Pump:**  
- **Model:**  
- **Intake (m):** 13.1  

**Testing:**  
- **Rate (lpm):** 13.7  
- **Time (minute):** 180.0  
- **Level End (m):** 13.1  
- **Drawdown (m):** 9.1  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**  
- **pH (pH unit):**  
- **SAR:**  
- **Cond. (µS/cm):**  
- **TKN:**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Remarks:**  
- Chemical Constituents are in mg/l (ppm), Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No
### General:

**Type of Work:** New Well  
**Drilling Method:** Cable Tool  
**Well Use:** Domestic  

**Completed Depth:** 33.5 m  
**NPWL (m):** 9.1  
**Verified NPWL (m):**  

**Abandonment:**  

**Casing:**  
**Type:** Steel  
**Depth (m):** 26.5  
**Bottom (m):** 26.5  
**OD (mm):** 139.7  
**Thickness (mm):** 0.1  
**Seal Type:** Driven  
**from:**  
**to:** 26.5  

**Liner:**  
**Type:**  
**OD (mm):** 114.3  
**Thickness (mm):** 0.1  
**Top (m):** 24.4  
**Bottom (m):** 30.5  

**Perforated How:** Machine  
**from:**  
**to:** 30.5  
**Size:**  

**Screen:**  
**Material:**  
**OD (mm):**  
**from:**  
**to:**  
**Size:**  

**Open Hole:**  
**from:**  
**to:**  

**Pump:** Sub  
**Model:** A+5-50  
**Intake (m):** 24.4  

**Testing:**  
**Rate (lpm):** 11.4  
**Time (minute):** 120.0  
**Level End (m):** 24.4  
**Drawdown (m):** 15.2  
**Rec’d intake (m):** 24.4  
**Rec’d Rate (lpm):** 9.1  

### Laboratory:

- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:**  
- **TKN:** Selenium  
- **Sodium:**  
- **Nitrate:** Strontium  
- **Potassium:**  
- **Nitrite:** Molybdenum  
- **Calcium:**  
- **TN:** Vanadium  
- **Magnesium:**  
- **TC:** Zinc  
- **Carbonate:**  
- **DIC:** Hydroxide  
- **Bicarbonate:**  
- **Arsenic:** Total Hardness  
- **Aluminum:**  
- **Barium:** Manganese  
- **Sulphate:** Beryllium  
- **Phosphorus:**  
- **Chloride:**  
- **Cadium:** Ion Balance  
- **Fluoride:**  
- **Chromium:** Amm. Nitrogen  
- **Iron:**  
- **Cobalt:** Total Phosphate  
- **TOC:**  
- **Copper:** Total Alkalinity  
- **Silica:**  
- **Lead:** Nitrate&Nitrite  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Well Field Verified: No  

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 38.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Cuttings 05 May 93

**Casing:**
- **Type:** Plastic
- **Depth (m):** 26.8 Bottom (m): 26.8
- **OD (mm):** 127.0 Thickness (mm): 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:** from (m): to Thickness (mm): Size:
- **Top (m):** Bottom (m): from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 0.9 from (m): 26.8 to 28.4 Size: 0.01
- **from (m):** to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m):
- **Testing:** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
# NE 11-051-26 W4M

**Well Owner:** Antosh, Paulette/Dennis  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 696  
**AEP:** 217306  
**Licence No.:**  
**Date Started:** 05 May 93  
**Date Completed:** 06 May 93

## General:
- **Type of Work:** Test Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 30.5 (m)  
- **NPWL (m):**  
- **Abandonment:** Cuttings  
- **Date:** 06 May 93

## Casing:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to

## Liner:
- **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:

## Screen:
- **Material:**  
  - **OD (mm):** from (m): to Size:  
  - **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**  
- **Intake (m):**

## Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

## Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 14.6 m
- **NPWL (m):** 5.5
- **Veriﬁed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 14.6
- **Bottom (m):** 14.6
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to 3.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** Ga
- **OD (mm):** 7.3
- **from (m):** 10.1 to 10.7
- **Size:** 0.01

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 12.8

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 60.0
- **Level End (m):** 13.7
- **Drawdown (m):** 8.2
- **Rec'd intake (m):** 12.8
- **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**
- **COD:隽 (mg/l):**
- **SAR:隽 (ppm):**
- **TDS:隽 (ppm):**
- **TKN:隽 (ppm):**
- **Sodium:隽 (ppm):**
- **Nitrate:隽 (ppm):**
- **Strontium:隽 (ppm):**
- **Potassium:隽 (ppm):**
- **Selenium:隽 (ppm):**
- **Nitrite:隽 (ppm):**
- **Molybdenum:隽 (ppm):**
- **Vanadium:隽 (ppm):**
- **Zinc:隽 (ppm):**
- **Hydroxide:隽 (ppm):**
- **Bicarbonate:隽 (ppm):**
- **Arsenic:隽 (ppm):**
- **Total Hardness:隽 (ppm):**
- **Barium:隽 (ppm):**
- **Manganese:隽 (ppm):**
- **Beryllium:隽 (ppm):**
- **Phosphate:隽 (ppm):**
- **Chromium:隽 (ppm):**
- **Cadmium:隽 (ppm):**
- **Ion Balance:隽 (ppm):**
- **Chloride:隽 (ppm):**
- **Cobalt:隽 (ppm):**
- **Total Phosphate:隽 (ppm):**
- **Sulphate:隽 (ppm):**
- **Copper:隽 (ppm):**
- **Total Alkalinity:隽 (ppm):**
- **Silica:隽 (ppm):**
- **Lead:隽 (ppm):**
- **Nitrate & Nitrite N:隽 (ppm):**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **AEP Data:** Yes
- **Database:** 1.000H
- **Project:**
- **Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

### Lithologic Description:
- **Depth (m):**
- **Elevation (m):**
- **Type:**
- **Notes:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
NE 11-051-26 W4M

Well Owner: Lefebvre, Garry
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number: 00813
Licence No.: Easting: 85,146.37
Date Started: 19 Oct 90
Northing: 5,914,078.05
Date Completed: 19 Oct 90
Elevation (AMSL) (m): 696
AEP: 153417

General:
- Type of Work: Dry Hole
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 37.5 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment: Unknown

Casing:
- Type:
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
    - from (m): to

Liner:
- Type:
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

Screen:
- Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m):

Testing:
- Rate (lpm): Time (minute): 420.0
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium Nitrates Strontium
- Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Ammonium Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m) Lithologic Description
6.1 689.6 Sand Silty Yellow
9.1 686.6 Clay Soft Yellow
21.6 674.1 Clay Blue
22.9 672.9 Sand
37.2 658.6 Clay Blue
37.5 658.2 Shale Gray

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**General:**
- **Type of Work:** Dry Hole
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 38.7 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Unknown

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**
- **Model:** Intake (m):

**Pump:**
- **Rate (lpm):** Time (minute): 330.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrile:**
- **Beryllium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Material:**
- **OD (mm):**
- **Screen:**
- **Open Hole:**
- **Pump:**
- **Testing:**

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation**
- **(BGL) (AMSL):**
- **(m) (m)**
- **Lithologic Description**
- 10.1 685.7 Sand Silty Yellow
- 34.4 661.3 Clay Blue
- 38.4 657.3 Clay Sandy
- 38.7 657.0 Shale Gray

**Well Number:** 00814

**Well Owner:** Lefebvre, Garry

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 696

**AEP:** 153416

**Date Started:** 18 Oct 90

**Date Completed:** 18 Oct 90

**Licence No.:** Easting: 85,146.37

**Northing:** 5,914,078.05

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1,000H

**AEP Data:** Yes

**Well Field Verified:** No
### General:
- **Well Owner:** Lewis, Jim
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.
- **Elevation (AMSL) (m):** 695
- **AEP:** 154341
- **Licence No.:** Easting: 85,174.98
- **Date Started:** 30 Oct 86
- **Northing:** 5,913,949.00
- **Date Completed:** 05 Nov 86

### Lithologic Description

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<thead>
<tr>
<th>Depth (m)</th>
<th>Type (m)</th>
<th>Elevation Depth (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>10.4</td>
<td>685.0</td>
<td>Sand Yellow</td>
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<td>24.1</td>
<td>671.2</td>
<td>Clay Silty Blue</td>
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<td>24.7</td>
<td>670.6</td>
<td>Sand &amp; Coal Fine Grained</td>
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<td>26.2</td>
<td>669.1</td>
<td>Clay Blue</td>
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<td>27.4</td>
<td>667.9</td>
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<td>664.8</td>
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<td>41.5</td>
<td>653.9</td>
<td>Clay Hard</td>
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<tr>
<td>41.8</td>
<td>653.6</td>
<td>Shale Greenish Gray</td>
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### Well Use:
- **Unknown**

### Well Number: 00815

### Drilling Method:
- **Rotary**

### Well Use:
- **Unknown**

### Completed Depth:
- **41.8** (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**

### Abandonment:

### Casing:
- **Type:** Plastic
- **Depth (m):** 26.2
- **Bottom (m):** 26.2
- **OD (mm):** 127.0
- **Thickness (mm):**
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
  - Perforated How:
    - from (m):
    - to
    - Size:
    - from (m):
    - to
    - Size:
    - from (m):
    - to
    - Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 26.2
- **to:** 27.7
- **Size:** 0.01
- **from (m):** to
  - Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rec'd Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Rate (lpm):** 18.3
- **Drawdown (m):** 9.1
- **Level End (m):**
- **Rec'd intake (m):**

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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<tr>
<td>Sodium</td>
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<tr>
<td>Nitrate</td>
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<tr>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
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</tr>
<tr>
<td>Nitrite</td>
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<tr>
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<tr>
<td>Calcium</td>
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<td>TN</td>
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<td></td>
</tr>
<tr>
<td>TC</td>
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</tr>
<tr>
<td>Zinc</td>
<td></td>
</tr>
<tr>
<td>Carbonate</td>
<td></td>
</tr>
<tr>
<td>DIC</td>
<td></td>
</tr>
<tr>
<td>Hydroxide</td>
<td></td>
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<tr>
<td>Bicarbonate</td>
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<tr>
<td>Arsenic</td>
<td></td>
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<tr>
<td>Total Hardness</td>
<td></td>
</tr>
<tr>
<td>Aluminum</td>
<td></td>
</tr>
<tr>
<td>Barium</td>
<td></td>
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<tr>
<td>Manganese</td>
<td></td>
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<tr>
<td>Sulphate</td>
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<tr>
<td>Beryllium</td>
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<td>Cadmium</td>
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</tr>
<tr>
<td>Ion Balance</td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td></td>
</tr>
<tr>
<td>Amm. Nitrogen</td>
<td></td>
</tr>
<tr>
<td>Iron</td>
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<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
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<tr>
<td>Copper</td>
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<tr>
<td>Total Alkalinity</td>
<td></td>
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<tr>
<td>Silicon</td>
<td></td>
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<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate &amp; Nitrite N</td>
<td></td>
</tr>
</tbody>
</table>

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **No**
- **Storativity:**
- **Aquifer Test:**
- **No**
- **Project:**
- **Database:** 1.000H

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27

*printed on* 2/20/98
**NE 11-051-26 W4M**

**Well Number:** 00816

**Well Owner:** Paterson, Fred/Sylvia

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 697

**AEP:** 162169

**Licence No.:** Easting: 84,796.56

**Date Started:** 18 Sep 91

**Northing:** 5,814,547.50

**Date Completed:** 20 Sep 91

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 96.0 (m)
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 32.3
  - **Bottom (m):** 32.3
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
  - **Seal Type:** from (m): to
  - **Liner:**
    - **Type:**
    - **OD (mm):**
    - **Thickness (mm):**
    - **Top (m):**
    - **Bottom (m):**
    - **Perforated How:** from (m): to Size:
  - **Screen:**
    - **Material:** St
    - **OD (mm):** 1.2
    - **Size:** from (m): to
  - **Open Hole:** from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 9.1
- **Rec'd intake (m):**

**Laboratory:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
<td>12</td>
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<tr>
<td>Sodium</td>
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<tr>
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<td>Bicarbonate</td>
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<td>Chloride</td>
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<td>Fluoride</td>
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<td>Iron</td>
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<td>Strontium</td>
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<td>Molybdenum</td>
<td>6</td>
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<tr>
<td>Zinc</td>
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<td>Manganese</td>
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<td>Phosphate</td>
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<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Nitrate &amp; Nitrite</td>
<td>6</td>
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</table>

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Water Well Positioned by PFRA in 10TM NAD 27**

**printed on:** 2/20/98
**SE 11-051-26 W4M**

**Well Owner:** Dowell, Gary

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number: 00817</th>
<th>Elevation (AMSL) (m): 692</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AEP: 152313</td>
</tr>
<tr>
<td></td>
<td>Licence No.:</td>
</tr>
<tr>
<td></td>
<td>Easting: 85,174.91</td>
</tr>
<tr>
<td></td>
<td>Northing: 5,913,493.50</td>
</tr>
<tr>
<td></td>
<td>Date Started: 25 May 90</td>
</tr>
<tr>
<td></td>
<td>Date Completed: 25 May 90</td>
</tr>
</tbody>
</table>

**Well Number:** 00817

**Elevation (AMSL) (m):** 692

**AEP:** 152313

**Licence No.:**

**Easting:** 85,174.91

**Northing:** 5,913,493.50

**Date Started:** 25 May 90

**Date Completed:** 25 May 90

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 26.2 (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 18.6
- **Bottom (m):** 18.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 18.6 **to** 20.1 **Size:** 0.01
- **from (m):** to **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 12.2

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 12.2
- **Drawdown (m):** 3.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
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<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
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<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Database: 1.000H**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
# General:
- **Well Owner:** Dowell, Gary
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

## Depth Elevation
<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay Sandy Yellow</td>
<td>10.7</td>
<td>680.4</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>37.2</td>
<td>653.9</td>
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<tr>
<td>Shale Brown</td>
<td>38.1</td>
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<tr>
<td>Shale Gray</td>
<td>42.1</td>
<td>649.0</td>
</tr>
<tr>
<td>Shale &amp; Coal Brown</td>
<td>44.2</td>
<td>646.9</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>45.7</td>
<td>645.4</td>
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<td>47.2</td>
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<td>Sandstone</td>
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<td>642.3</td>
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<tr>
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<td>Shale Sandy Gray</td>
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<td>Coal</td>
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<td>614.3</td>
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<tr>
<td>Coal</td>
<td>78.0</td>
<td>613.1</td>
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<tr>
<td>Shale Green</td>
<td>82.3</td>
<td>608.8</td>
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</table>

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

## Electric Log:
- **No**

## Gamma Log:
- **No**

## Aquifer Test:
- **No**

## Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

*Printed on 2/20/98*
**SE 11-051-26 W4M**

**Well Owner:** Dumont, Claude  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number: 00819</th>
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<tr>
<td>Elevation (AMSL) (m): 695</td>
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<tr>
<td>AEP: 198244</td>
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<tr>
<td>Licence No.:</td>
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<tr>
<td>Date Started: 20 Jan 93</td>
</tr>
<tr>
<td>Date Completed: 21 Jan 93</td>
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<tr>
<td>Easting: 85,122.27</td>
</tr>
<tr>
<td>Northing: 5,913,790.50</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

### Completed Depth:
- Depth (m): 27.4  
- NPWL (m): 6.1  
- Verified NPWL (m):  
- Abandonment:  

### Casting:
- **Type:** Plastic  
- Depth (m): 21.0  
- Bottom (m): 21.0  
- OD (mm): 152.4  
- Thickness (mm): 0.1  
- Seal Type: Formation Seal  
- from (m): to 21.0

### Liner:
- **Type:**  
- OD (mm):  
- Thickness (mm):  
- Top (m):  
- Bottom (m):  
- Perforated How:  
- from (m): to  
- Size:  
- from (m): to  
- Size:  
- from (m): to  
- Size:

### Screen:
- **Material:** St  
- OD (mm): 1.2  
- from (m): 21.0  
- to 22.6  
- Size: 0.01

### Open Hole:
- from (m): to

### Pump:
- **Model:**  
- Intake (m):  

### Testing:
- Rate (lpm): 22.8  
- Time (minute): 420.0  
- Level End (m): 15.2  
- Drawdown (m): 9.1  
- Rec'd intake (m):  
- Rec'd Rate (lpm): 22.8

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Arsenic:**  
- **Nitrate:**  
- **Nitrite:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Copper:**  
- **Lead:**  
- **Mercury:**  
- **Nickel:**  
- **Selenium:**  
- **Nitrate:**  
- **Sodium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Phosphate:**  
- **Iron:**  
- **Cobalt:**  
- **Manganese:**  
- **Iron:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **Size:**  
- **Open Hole:**  
- **Model:**  
- **Intake (m):**  

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 11-051-26 W4M**

**Well Owner:** Nieuwenkamp, Albert  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 27.4 m  
  NPWL (m): 12.2  
  Verified NPWL (m):  
- Abandonment:

**Casing:**
- Type: Plastic  
  Depth (m): 24.7  
  Bottom (m): 24.7  
  OD (mm): 141.2  
  Thickness (mm): 0.1  
- Seal Type:  
  from (m):  
  to  

**Liner:**
- Type:  
  OD (mm):  
  Top (m):  
  Bottom (m):  
- Perforated How:  
  from (m):  
  to  
  Size:  
  from (m):  
  to  
  Size:  
  from (m):  
  to  
  Size:  

**Screen:**
- Material: St  
  OD (mm): 1.2  
  from (m): 24.7  
  to 26.2  
  Size: 0.02  
  from (m):  
  to  
  Size:  
- Open Hole:  
  from (m):  
  to  

**Pump:**
- Model:  
  Intake (m):  
  Rate (lpm): 31.9  
  Time (minute): 420.0  
  Level End (m): 13.7  
  Drawdown (m): 1.5  
  Rec’d intake (m):  
  Rec’d Rate (lpm):  

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- COD  
- SAR  
- TDS  
- KTN  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminum  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
- Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- Silicon  
- Lead  
- Nitrate & Nitrite N  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>BGL</th>
<th>AMSL</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>694.5</td>
<td>Sand Silty Yellow</td>
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<tr>
<td>19.8</td>
<td>680.8</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>26.8</td>
<td>673.7</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>27.4</td>
<td>673.1</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>

**Well Number:** 00820  
**Elevation (AMSL) (m):** 701  
**AEP:** 153985  
**Licence No.:** Easting: 85,359.20  
**Date Started:** 17 Oct 90  
**Northing:** 5,913,646.00  
**Date Completed:** 17 Oct 90  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**TOC:** Copper  
**Total Phosphate:**  
**TC:** Magnesium  
**Open Hole:**  
**Response Data:**  
**Remarks:**  

*Printed on 2/20/98*
**SE 11-051-26 W4M**

**Well Owner:** Scruton, Derek  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** 00821  
**Elevation (AMSL) (m):** 696  
**AEP:** 262174  
**Date Started:** 19 Oct 94  
**Date Completed:** 20 Oct 94  

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 28.0 (m)  
  - NPWL (m): 9.1  
  - Verified NPWL (m):  

**Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 21.9  
  - Bottom (m): 21.9  
- **OD (mm):** 152.4  
  - Thickness (mm): 0.1

**Seal Type:** Formation Seal
- from (m): to 21.9

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  

**Screen:**
- **Material:** St  
- **OD (mm):** 1.5  
  - from (m): 21.9 to 23.5  
  - Size: 0.01

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**  
- **Intake (m):** 18.3

**Testing:**
- **Rate (lpm):** 11.4  
  - Time (minute): 120.0
- **Level End (m):** 15.9  
  - Drawdown (m): 8.5
- **Rec'd intake (m):** 18.3  
  - Rec'd Rate (lpm): 9.1

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Sodium:** Nitrate  
- **Nitrate:** Strontium  
- **Potassium:** Molybdenum  
- **Calcium:**  
- **Magnesium:** Zinc  
- **Carbonate:**  
- **Bicarbonate:**  
- **Beryllium:** Manganese  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Beryllium:** Phosphate  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:**  
- **Chromium:** Amm. Nitrogen  
- **Iron:**  
- **Cobalt:**  
- **TOC:**  
- **Copper:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite:**  
- **DIC:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Magnesium:**  
- **Sulphate:**  
- **Beryllium:** Phosphate  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:**  
- **Chromium:** Amm. Nitrogen  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **Alkalinity:**  
- **TOC:**  
- **Copper:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite:**  
- **DIC:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Magnesium:**  
- **Sulphate:**  
- **Beryllium:** Phosphate  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:**  
- **Chromium:** Amm. Nitrogen  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **Alkalinity:**  
- **TOC:**  
- **Copper:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 16.8 m
- **NPWL (m):**  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **OD (mm):**
- **Size:**
- **Size:**
- **Size:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number 00822**

**Elevation (AMSL) (m):** 697
- **AEP:** 164219
- **Date Started:**
- **Date Completed:**
- **Easting:** 84,328.17
- **Northing:** 5,913,453.00
- **Domestic**
- **Unknown Driller**
- **Unknown**

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<th>Depth</th>
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<tbody>
<tr>
<td>(BGL)</td>
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**Lithologic Description**

(No Lithologic Information Available)
**Water Well Positioned by PFRA in 10TM NAD 27**

<table>
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<tr>
<th>Field</th>
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<tbody>
<tr>
<td>Well Owner:  Dorey, Douglas D.</td>
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<td>Drilling Contractor:  Unknown Driller</td>
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**Well Number:** 00824

**Well Owner:** Horlick, Gary  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.  

| General: | Well Use: Domestic  
| Drilling Method: Rotary  
| Type of Work: New Well  
| Elevation (AMSL) (m): 697  
| AEP: 163456  
| Licence No.:  
| Date Started: 14 Feb 92  
| Date Completed: 16 Feb 92  

**Casing:**  
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** Ben seal  
  - from (m): to 12.2

**Liner:**  
- **Type:**  
- **OD (mm):** Thickness (mm): 0.1  
- **Top (m):** Bottom (m): 21.3

**Perforated How:** Machine  
- from (m): to 22.9  
- Size:

**Screen:**  
- **Material:**  
- **OD (mm):** from (m): to  
- **Thickness (mm):** from (m): to

**Open Hole:**  
- **from (m):** to

**Pump:**  
- **Model:**  
- **Intake (m):** 21.3

**Testing:**  
- **Rate (lpm):** 11.4  
- Time (minute): 420.0

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**Laboratory:**

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<table>
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<td>Copper</td>
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<td>Total Alkalinity</td>
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<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SW 11-051-26 W4M**

**Well Owner:** Szyndrowski, Don  
**Drilling Contractor:** Unknown Driller

**Well Number 00825**

**Elevation (AMSL) (m):** 696  
**Easting:** 84,357.52  
**Northing:** 5,913,533.50

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic

**Completed Depth:** 22.9 (m)  
**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**
- **Type:**  
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

**Liner:**
- **Type:**  
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):

**Perforated How:**
- from (m): to  
- from (m): to  
- from (m): to

**Screen:**
- **Material:**  
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 00826

Well Owner: Alta Env #Devon 2
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 696
AEP: 219693
Licence No.: Easting: 87,043.86
Date Started: Northing: 5,913,788.00
Date Completed: 2/20/98

General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Observation
Completed Depth 7.6 (m)
NPWL (m): 1.7 Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): 114.3 Thickness (mm):
Top (m): Bottom (m): 7.6
Perforated How:
from (m): 4.6 to 7.6 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 6.8 Time (minute): 160.0
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminium: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Iron Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

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Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic & Stock
- **Completed Depth:** 21.6 (m)
- **NPWL (m):** 8.8
- **Abandonment:**
- **Type:** Galvanized Steel
- **Depth (m):** 21.3
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Seal Type:** Clay Cap
- **from (m):** to 3.7
- **Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:
- **Screen:**
- **Material:** St
- **OD (mm):** 7.3
- **from (m):** 11.0 to 11.6
- **Size:** 0.01
- **from (m):** to Size:
- **Open Hole:**
- **from (m):** to
- **Pump:**
- **Model:**
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 9.1
  - **Time (minute):** 120.0
  - **Level End (m):** 20.4
  - **Drawdown (m):** 11.6
  - **Rec'd intake (m):** 19.8
  - **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted."

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **AEP Data:** Well Field Verified: Yes

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**Well Number:** 00828  
**Well Owner:** Redding, Rebecka  
**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 687  
**AEP:** 240653  
**License No.:** 85.918.71  
**Date Started:** 14 Dec 93  
**Easting:** 5,913,533.50  
**Date Completed:** 22 Dec 93

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Combination  
- **Well Use:** Domestic  
- **Completed Depth:** 80.8 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:** Plugged  
- **Date Started:** 21 Apr 94

### Casing:
- **Type:** Steel  
- **Depth (m):** 26.8  
- **Bottom (m):** 26.8  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 26.8

### Liner:
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 25.9  
- **Bottom (m):** 80.8  
- **Perforated How:** Torch  
- **from (m):** to 24.4  
- **Size:** 30.5  
- **from (m):** to 74.7  
- **Size:** 80.8  
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd Intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Nitrite:** Molybdenum  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Water Well Positioned by PFRA in 10TM NAD 27**

### Lithologic Description

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<tr>
<th>Depth</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tr>
<td>0.3</td>
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<td>7.6</td>
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<td>12.2</td>
<td>674.7 Sand &amp; Gravel Coarse Grained B</td>
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<td>19.5</td>
<td>667.3 Clay Gray</td>
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<td>21.3</td>
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<td>80.8</td>
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### Electric Log:
- **Yes**  
- **Transmissivity:** m²/day

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:** Database: 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
SW 12-051-26 W4M

Well Number: 00829

Well Owner: Wichmann, Heinz
Drilling Contractor: Kc Drilling (Leduc)

Elevation (AMSL) (m): 587
AEP: 159131
Licence No.: Easting: 85,917.14
Date Started: 21 Aug 91
Northing: 5,913,516.00
Date Completed: 22 Aug 91

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth: 18.3 (m)
NPWL (m): 3.7 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 18.3 Bottom (m): 18.3
OD (mm): 609.6 Thickness (mm): 0.0
Seal Type: Puddled Clay
from (m): to 3.1

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Ga
OD (mm): 7.0
from (m): 5.8 to 6.4 Size: 0.02
from (m): Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 6.8 Time (minute): 120.0
Level End (m): 18.3 Drawdown (m): 14.6
Rec’d intake (m): Rec’d Rate (lpm): 22.8

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminum
Beryllium
Chloride
Fluoride
Iron
TOC
Silica
COD
SAR
TKN
Nitrate
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 13.7 (m)
- **NPWL (m):** 3.7
- **Verified NPWL:**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 13.7
- **Bottom (m):** 13.7
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:** Other
  - **from (m):** to 3.7

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:** Ga
- **OD (mm):** 7.0
- **from (m):** 8.5 to 8.8
  - **Size:** 0.02
  - **Size:**
  - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 182.4
- **Time (minute):** 420.0
- **Level End (m):** 13.1
- **Drawdown (m):** 9.4
- **Rec'd intake (m):** 12.5
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 00830

**Well Owner:** Kinlein, Mike

**Drilling Contractor:** Kc Drilling (Leduc)

**Elevation (AMSL) (m):** 699

**AEP:** 188691

**Licence No.:**

**Date Started:** 30 Oct 92

**Northing:** 5,915,091.50

**Date Completed:** 31 Oct 92

**Depth Elevation**

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<td>13.7</td>
<td>685.4</td>
<td>Clay</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 15.9 (m)
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 15.9
- **Bottom (m):** 15.9
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):**
- **to:** 3.7

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- **from (m):**
- **to:** Size:
- **from (m):**
- **to:** Size:
- **from (m):**
- **to:** Size:

**Screen:**
- **Material:** Ga
- **OD (mm):** 7.0
- **from (m):** 11.3
- **to:** 11.6
- **Size:** 0.02

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 136.8
- **Time (minute):** 180.0
- **Level End (m):** 15.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 83.5 (m)
- **NPWL (m):** 25.9
- **Veriﬁed NPWL (m):**

### Abandonment:
- **Type:** Plastic
- **Depth (m):** 45.7
- **Bottom (m):** 45.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 45.7

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 43.3
- **Bottom (m):** 82.6
- **Perforated How:** Saw
- **from (m):** to 82.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** S5p4d02tl-02
- **Intake (m):** 71.6

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 68.6
- **Drawdown (m):** 42.7
- **Rec’d intake (m):** 71.6
- **Rec’d Rate (lpm):** 9.1

---

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **T:**
- **Hydroxide:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrites:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.00H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number: 00833**

**Well Owner:** Holzapfel, John  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 701  
**AEP:** 242728  
**Licence No.:** Easting: 86,079.16  
**Date Started:** 13 Jun 94  
**Noting:** 5,915,942.00  
**Date Completed:** 14 Jun 94

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 19.5 (m)  
- **NPWL (m):** 7.0  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 16.5  
- **Bottom (m):** 16.5  
- **OD (mm):** 152.4  
- **Thickmess (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 16.5

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 16.5 to 18.0  
- **Size:** 0.01

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Jacuzzi  
- **Intake (m):** 12.2

### Testing:
- **Rate (lpm):** 16.0  
- **Time (minute):** 120.0  
- **Level End (m):** 9.8  
- **Drawdown (m):** 2.7  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Barium:**
- **Molybdenum:**
- **Cadmium:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

### Electric Log: No  
**Transmissivity:** m²/day
**Gamma Log: No**  
**Storativity:**
**Aquifer Test: No**  
**Project:** Database: 1.000H
**AEP Data: Yes**  
**Well Field Verified: No**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.8 m
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 11.6
- **Bottom (m):** 11.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):**
- **to:** 11.6

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 11.6
- **to:** 13.1
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 120.0
- **Level End (m):** 9.8
- **Drawdown (m):** 5.5
- **Rec'd intake (m):** 10.7
- **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sand:**
- **Nil:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Arsenic:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Lithologic Description:

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### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
Well Owner: Bamber, Dan
Drilling Contractor: Kc Drilling (Leduc)

**General:**
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth: 12.2 (m)
NPWL (m): 1.2 Verified NPWL (m):
Abandonment:

**Casing:**
Type: Galvanized Steel
Depth (m): 12.2 Bottom (m): 12.2
OD (mm): 635.0 Thickness (mm): 0.0
Seal Type: Puddled Clay
from (m): to 3.1

**Liner:**
Type:
OD (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material: Ga
OD (mm): 7.0
from (m): 5.5 to 6.1 Size: 0.01
from (m): to Size:

**Open Hole:**
from (m): to

**Pump:**
Model:
Intake (m):

**Testing:**
Rate (lpm): 31.9 Time (minute): 180.0
Level End (m): 12.2 Drawdown (m): 11.0
Rec’d intake (m): Rec’d Rate (lpm): 22.8

**Laboratory:**

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>TKN</td>
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<tr>
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<td>Strontium</td>
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<td>Nitrite</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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**Electric Log:** No **Transmissivity:** m³/day
**Gamma Log:** No **Storativity:**
**Aquifer Test:** No **Project:** Database: 1.000H
**AEP Data:** Yes **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SW 13-051-26 W4M**

**Well Owner:** Hallberg, K.E.

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>General</th>
<th>Depth</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>14.0</td>
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<td>Completed Depth: 64.0 (m)</td>
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<tr>
<td></td>
<td>64.0</td>
<td>637.6</td>
<td>Shale</td>
</tr>
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</table>

**Drilling Method:** Rotary

**Well Use:** Domestic

**Completed Depth:** 64.0 (m)

**NPWL (m):** 6.4

**Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 31.1
- **Bottom (m):** 31.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Bentonite Chips/Tabl
- **from (m):** 29.3 to 31.1

**Liner:**

- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 64.0

**Perforated How:** Machine
- **from (m):** 57.9 to 64.0
- **Size:**

**Screen:**

- **Material:** Plastic
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 54.9

**Testing:**

- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 36.9
- **Drawdown (m):** 30.5
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 00836**

**Elevation (AMSL) (m):** 702

**AEP:** 231530

**Date Started:** 06 May 93

**Easting:** 86,144.96

**Date Completed:** 08 May 93

**Northing:** 5,915,311.50

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 02/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 11.3 (m)
- **NPWL (m):** 1.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 11.3
- **Bottom (m):** 11.3
- **OD (mm):** 584.2
- **Thickness (mm):**
- **Seal Type:** Puddled Clay
- **from (m):** to 3.1

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **Size:**
- **Size:**

**Screen:**
- **Material:** Ga
- **OD (mm):** 7.0
- **from (m):** 5.5 to 6.1
- **Size:** 0.02
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 11.3
- **Drawdown (m):** 9.4
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbone:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite N
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL (m):** 18.3 m
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 30.8 m
- **Bottom (m):** 30.8 m
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
    - OD (mm): 1.2
    - Thickness (mm):
    - Top (m): Bottom (m):
  - **Perforated How:**
    - from (m): to
    - Size:
    - from (m): to
    - Size:
  - **Screen:**
    - **Material:** Pl
    - OD (mm): 1.2
    - from (m): 30.8
    - to: 32.3
    - Size: 0.02
    - from (m): to
    - Size:
- **Open Hole:** from (m): to
- **Pump:**
  - **Model:**
  - Intake (m): 24.4
- **Testing:**
  - **Rate (lpm):** 9.1
  - **Time (minute):** 420.0
  - **Level End (m):** 24.4
  - **Drawdown (m):** 6.1
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Lithologic Description
- **(m) (m)**
- **5.915,464.50**
- **36.6**
- **663.6**
- **Shale Green**
- **Clay Blue**
- **Shale Sandy Gray**
- **Clay Sandy Yellow**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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<th>Chemical Constituents</th>
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<tr>
<td>Lead</td>
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<td>Nitrate&amp;Nitrite</td>
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### Well Details:
- **Elevation (AMSL) (m):** 700
- **AEP:** 163227
- **Licence No.:** Easting: 85729.09 Northing: 5815464.50
- **Date Started:** 10 Aug 89
- **Date Completed:** 11 Aug 89
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
- **Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation

#### Lithologic Description

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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithology</th>
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<td>698.8</td>
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<td>688.1</td>
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#### Laboratory:

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<th>Value (mg/l)</th>
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| Chemical Constituents are in mg/l (ppm). Except as noted.

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 4.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **Database:** Project: Database: 1.00H
- **AEP Data:** Yes

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 47.6 (m)
- **NPWL (m):** 20.1
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Steel
- **Depth (m):** 1.2
- **Bottom (m):** 1.2
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Cement/GROUT
  - from (m): 24.7
- **Liner:**
  - **Type:** St
  - **OD (mm):** 114.3
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - from (m): 20.4
  - to 46.0
  - Size: 0.01
- **Screen:**
  - **Material:** St
  - **OD (mm):**
    - from (m): 46.0
    - to 47.6
    - Size: 0.01
- **Open Hole:**
  - from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 68.4
  - **Time (minute):** 240.0
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**
- **Laboratory:** 13 Nov 85
  - **pH (pH unit):** 8.01
  - **COD:** 27.00
  - **Mercury:**
  - **Condition (µS/cm):** 1560
  - **SAR:** 7.60
  - **Nickel:** 0.01
  - **TDS:** 988.0
  - **TKN:**
  - **Selenium:**
  - **Sodium:** 282.90
  - **Nitrate:**
  - **Strontium:**
  - **Potassium:** 3.91
  - **Nitrite:**
  - **Molybdenum:**
  - **Calcium:** 62.12
  - **TN:** 0.03
  - **Vanadium:**
  - **Magnesium:** 26.75
  - **TC:** 1.55
  - **Zinc:** 0.01
  - **Carbonate:** DIC 168.0 Hydroxide
  - **Bicarbonate:** 774.22 Arsenic Total Hardness 265.00
  - **Aluminium:** Barium 0.08<br>Manganese 0.63
  - **Sulphate:** 228.14 Beryllium Phosphate
  - **Chloride:** 1.77 Cadmium 0.01 Ion Balance 1.02
  - **Fluoride:** 0.15 Chromium Amm. Nitrogen 0.08
  - **Iron:** 3.85 Cobalt Total Phosphate
  - **TOC:** 9.60 Copper Total Alkalinity 635.0
  - **Silica:** Lead 0.04 Nitrate&Nitrite N
  - **DIC:**
  - **Hydroxide:**
  - **Arsenic:**
  - **Total Hardness:** 265.00
  - **Beryllium:**
  - **Phosphate:**
  - **Cadmium:**
  - **Amm. Nitrogen:** 0.08
  - **Copper:**
  - **Total Phosphate:**
  - **Total Alkalinity:** 635.0
  - **Lead:**
  - **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

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<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>0.3</td>
<td>699.7</td>
<td>Topsoil</td>
</tr>
<tr>
<td>0.9</td>
<td>699.1</td>
<td>Clay</td>
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<tr>
<td>10.7</td>
<td>689.3</td>
<td>Sand</td>
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<tr>
<td>20.1</td>
<td>679.9</td>
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<td>24.1</td>
<td>675.9</td>
<td>Clay &amp; Rocks</td>
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<td>24.7</td>
<td>675.3</td>
<td>Gravel</td>
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<td>30.2</td>
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<td>47.6</td>
<td>652.4</td>
<td>Sand</td>
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</table>

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation

**Depth & Elevation**: (BGL) (AMSL)  
- 0.3 699.7 Topsoil  
- 0.9 699.1 Clay  
- 10.7 689.3 Sand

**Lithologic Description**

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<thead>
<tr>
<th>Lithology</th>
<th>Depth (m)</th>
<th>Notation</th>
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<tr>
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<td>Clay</td>
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<td></td>
</tr>
<tr>
<td>Sand</td>
<td>689.3</td>
<td></td>
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</tbody>
</table>

**Casings:**
- **Type:** Steel  
  - **Depth:** 10.7  
  - **Bottom Depth:** 10.7  
  - **OD:** 141.2  
  - **Thickness:** 0.1  
- **Seal Type:** Peltonite  
  - **from:** 9.1  

**Casing:**
- **Type:** St  
- **OD:** 9.1  
- **Top:** 10.7  

**Screen:**
- **Material:** St  
- **OD:** 9.1  
- **Top:** 10.7  
- **Size:** 0.01

**Liner:**
- **Type:** St  
- **Thickness:** 9.1  
- **OD:** 10.7  

**Open Hole:**
- **from:** 9.1  
- **to:** 10.7

**Pump:**
- **Model:**  
- **Intake:**  
- **Rate:** 2.3 lpm  
- **Time:** 240.0 minute

**Testing:**
- **Rate:** 2.3 lpm  
- **Time:** 240.0 minute  
- **Level End:**  
- **Drawdown:**  
- **Rec'd Rate:**  
- **Rec'd int:**

**Laboratory:**
- **pH:**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrate:**  
- **Selenium:**  
- **Magnesium:**  
- **Calcium:**  
- **Perforated:**  
- **Screen:**  
- **Open Hole:**  
- **Pump:**  
- **Testing:**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation

### Completed Depth:
- **10.7 m**

### Lithologic Description:
- **0.3 m:** Topsoil
- **0.9 m:** Clay
- **6.99.7 m:** Sand

### Casing:
- **Type:** Plastic
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **BBL:** 1.8

### Abandonment:
- **BBL:** 1.8

### Liner:
- **Type:** Cement/Grout
- **OD (mm):**
- **Thickness (mm):**

### Screen:
- **Material:** PI
- **OD (mm):** 1.7
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 240.0

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Total Hardness:**
- **Arsenic:**
- **Barium:**
- **Manganese:**
- **Aluminium:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Ion Balance:**
- **Fluoride:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Observation

#### Casing:
- **Type:**
  - **Depth (m):** Bottom (m): 
  - **OD (mm):** Thickness (mm): 
  - **Seal Type:** 
  - **from (m):** to 

#### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm): 
  - **Top (m):** Bottom (m): 
  - **Perforated How:** 
  - **from (m):** to 
  - **Size:** 
  - **from (m):** to 
  - **Size:** 
  - **from (m):** to 
  - **Size:** 

#### Screen:
- **Material:**
  - **OD (mm):** 
  - **from (m):** to 
  - **Size:** 
  - **from (m):** to 
  - **Size:** 

#### Open Hole:
- **from (m):** to 

#### Pump:
- **Model:** 
- **Intake (m):** 
- **Rate (lpm):** 
- **Time (minute):** 
- **Level End (m):** 
- **Drawdown (m):** 
- **Rec’d intake (m):** 
- **Rec’d Rate (lpm):** 

#### Laboratory:
- **pH (pH unit):** COD (mg/l) Mercury
- **Conductivity (µS/cm):** SAR (mg/l) Nickel
- **Total Dissolved Solids (TDS):** TKN (mg/l) Selenium
- **Sodium:**
- **Nitrate:** 
- **Strontium:** 
- **Potassium:** 
- **Nitrite:** 
- **Selenium:** 
- **Calcium:** 
- **Vanadium:** 
- **Magnesium:** TC (mg/l) Zinc
- **Carbonate:** DIC (mg/l) Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

#### Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

### Well Information:
- **Well Number:** 00843
- **Elevation (AMSL) (m):** 703
- **AEP:** 219670
- **Licence No.:** Easting: 82,882.55
- **Date Started:** 01 Mar 85 Northing: 5,915,060.14
- **Date Completed:** 01 Mar 85

### Lithologic Description:
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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<td>702.1</td>
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<td>694.8</td>
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<td>11.9</td>
<td>691.1</td>
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<td>679.9</td>
<td>Clay &amp; Gravel Sandy Gray</td>
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<td>29.6</td>
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</table>

### Water Well Information:
- **Water Well Positioned by Mow-Tech in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 47.6 (m)
  - NPWL (m): 6.1
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 16.1
  - **Bottom (m):** 16.1
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1

### Seal Type:
- **Driven & Bentonite**
- **from (m):** to 16.1

### Liner:
- **Type:**
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Top (m):** 46.0
  - **Bottom (m):** 47.6

### Perforated How:
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:** PI
- **OD (mm):** 1.2
  - **from (m):** to **Size:** 0.01
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 54.7
  - **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intacke (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 7.98
- **Cond. (µS/cm):** 1570
- **SAR:** 8.00
- **Nickel:** 0.01
- **TDS:** 1041
- **Sodium:** 303.60
- **Nitrate:** Strontium
- **Potassium:** 3.52
  - **Nitrite:** Molybdenum
- **Calcium:** 69.14
  - **TN:** 0.03
  - **Vanadium:**
- **Magnesium:** 23.71
  - **TC:** 1.48
  - **Zinc:** 0.01
- **Carbonate:** DIC 174.6
- **Bicarbonate:** 890.14
  - **Arsenic:** Total Hardness 270.00
- **Aluminum:** 0.08
  - **Barium:** 0.73
- **Sulphate:** 199.32
  - **Beryllium:** Phosphate
- **Chloride:** 2.84
  - **Cadmium:** Ion Balance 1.00
- **Fluoride:** 0.16
  - **Chromium:** Amm. Nitrogen 0.08
- **Iron:** 2.79
  - **Cobalt:** Total Phosphate
- **TOC:** 8.60
  - **Copper:** Total Alkalinity 730.0
- **Silica:** Lead 0.05
  - **Nitrate:Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
  - **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

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Water Well Positioned by PFRA in 10TM NAD 27

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printed on 2/20/98
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 49.7 m
- Elevation (AMSL): 701 m

**Casing:**
- Type: Galvanized Steel
- Depth (m): 45.1
- OD (mm): 101.6
- Seal Type: from (m): to

**Liner:**
- Type: St
- OD (mm): 0.9
- Top (m): Bottom (m): from (m): to
- Perforated How: from (m): to Size: from (m): to Size: from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 45.1 to 46.3
- Bottom (m): Depth (m): Thickness (mm): from (m): to Size: from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Crane
- Intake (m): 44.2

**Testing:**
- Rate (lpm): 45.6
- Time (minute): 480.0
- Level End (m): Drawdown (m): Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number: 00845**
- Licence No.: 158252
- Date Started: 30 Apr 73
- Date Completed: 01 May 73
- Licence No.: 158252
- Easting: 82,762.41
- Northing: 5,816,055.00

**Depth Elevation**
- (BGL) (AMSL) Lithologic Description
  - 7.0 694.4 Sand Brown
  - 11.6 689.8 Sand Blue Gray
  - 22.9 678.6 Clay Soft Gray
  - 42.1 659.4 Clay & Rocks See Comments
  - 49.7 651.7 Sand Fine Grained Gray

**Electric Log:** No
- Transmissivity: m²/day

**Gamma Log:** No
- Storativity: 

**Aquifer Test:** No
- Project: Database: 1.000H

**AEP Data:** Yes
- Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27
**SE 15-051-26 W4M**

**Well Number:** 00846

**Well Owner:** Bittorf, R.

**Drilling Contractor:** Hokenson Ww Ltd

**Elevation (AMSL) (m):** 704

**AEP:** 218798

**Licence No.:** 01 Apr 71

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<tr>
<td>Sand Brown</td>
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<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
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<td>Rec'd Rate (lpm):</td>
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<tr>
<td>Chloride</td>
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<tr>
<td>Cadmium</td>
</tr>
<tr>
<td>Ion Balance</td>
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<td>Fluoride</td>
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<tr>
<td>Chromium</td>
</tr>
<tr>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
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<tr>
<td>Cobalt</td>
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<tr>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
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<td>Copper</td>
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<tr>
<td>Silicon</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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<tbody>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
Well Owner: Goriuk, Alex
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 699
AEP: 152768
 Licence No.: Easting: 82,680.77
Date Started: 30 Aug 90 Northing: 5,814,853.97
Date Completed: 30 Aug 90

Test Hole-Abandoned
Rotary

Type of Work: Domestic
Well Use: Bentonite Product

Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Type</th>
<th>Color</th>
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<tbody>
<tr>
<td>39.6</td>
<td>691.2</td>
<td>Sand</td>
<td>Brown</td>
</tr>
<tr>
<td>21.0</td>
<td>678.1</td>
<td>Clay</td>
<td>Silty</td>
</tr>
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<td>29.6</td>
<td>669.5</td>
<td>Clay</td>
<td>Stoney</td>
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<tr>
<td>31.1</td>
<td>668.0</td>
<td>Sandstone</td>
<td>Soft</td>
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<td>32.0</td>
<td>667.1</td>
<td>Sandstone</td>
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<td>32.9</td>
<td>666.2</td>
<td>Sandstone</td>
<td>Soft</td>
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<tr>
<td>37.2</td>
<td>661.9</td>
<td>Shale</td>
<td></td>
</tr>
</tbody>
</table>

Water Well Positioned by Mow-Tech in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.
SW 15-051-26 W4M

Well Owner: Goriuk, Alex
Drilling Contractor: Bar-K Water Well Drilling Ltd.

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 48.2 (m)
NPWL (m): 4.6 Verified NPWL (m): Abandonment:

Casing:
Type: Plastic
Depth (m): 30.5 Bottom (m): 30.5
OD (mm): 127.0 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): 21.3 to

Liner:
Type: 
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: Machine
from (m): 24.4 to 30.5 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: 
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 24.4

Testing:
Rate (lpm): 18.2 Time (minute): 180.0
Level End (m): 17.4 Drawdown (m): 12.8
Rec'd intake (m): Rec'd Rate (lpm): 18.2

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
5.2 694.6 Sand Brown
10.7 689.1 Sand Silty Gray
19.8 680.0 Clay
20.1 679.7 Boulders
25.3 674.5 Clay Stoney
27.4 672.4 Sand & Gravel Clayey
31.4 668.4 Stones Clayey
34.4 665.4 Sandstone
36.0 663.9 Clay
39.3 660.5 Shale
46.0 653.8 Sandstone
48.2 651.7 Shale

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):** 7.6
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth:** (m) 25.3
  - **Bottom (m):** 25.3
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 16.8
  - **to:**

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- **from (m):**
- **to:**

**Screen:**
- **Material:** Sandstone
- **OD (mm):** 0.9
- **from (m):** 25.3
  - **to:** 26.8
  - **Size:** 0.01

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
  - **Intake (m):** 25.0

**Testing:**
- **Rate (lpm):** 18.2
  - **Time (minute):** 420.0
  - **Rec'd Rate (lpm):**
  - **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Phosphate:**
- **Beryllium:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Cadmium:**
  - **Amm. Nitrogen:**
  - **Total Hardness:**
  - **Manganese:**
  - **Total Phosphate:**
  - **Selenium:**
  - **Strontium:**
  - **Sodium:**
  - **Nitrate:**
  - **Molybdenum:**
  - **Potassium:**
  - **TN:**
  - **BTC:**
  - **DIC:**
  - **Hydroxide:**
  - **Arsenic:**
  - **Total Alkalinity:**
  - **Phosphate:**
  - **Sulphate:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation (BGL) (AMSL):**
- **Lithologic Description:**
  - **5.5:** Sand
  - **25.0:** Clay Stoney
  - **27.4:** Sand
  - **29.3:** Clay Stoney
  - **34.4:** Clay
  - **40.2:** Shale
  - **44.8:** Sandstone
  - **48.8:** Shale

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
Well Number: 00850

General:
- Well Use: Domestic
- Type of Work: Test Hole - Abandoned
- Completed Depth: 109.7 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:
  - Type:
  - Depth (m):
  - Seal Type:
    - from (m):
    - Thickness (mm):
  - Liner:
    - Type:
    - OD (mm):
      - Thickness (mm):
    - Top (m):
    - Bottom (m):
    - Perforated How:
      - from (m):
      - to
      - Size:
    - Screen:
      - Material:
      - OD (mm):
        - from (m):
        - to
        - Size:
      - Open Hole:
        - from (m):
        - to
    - Pump:
      - Model:
      - Intake (m):
- Testing:
  - Rate (lpm):
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec’d intake (m):
  - Rec’d Rate (lpm):

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- COD
- SAR
- Nickel
- TDS
- TKN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminum
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate & Nitrite

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27

Well Owner: Goriuk, Alex
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 699
Licence No.: 151978
Date Started: 11 Oct 89
Date Completed: 13 Oct 89

Well Field Verified: No

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1,000H
AEP Data: Yes

Bar-K Water Well Drilling Ltd.

Test Hole - Abandoned
Rotary
Domestic
Clay Sandy
683.9
20.1
679.0
Clay Sandy
24.7
674.4
Clay
29.3
669.8
Shale & Sandstone
35.4
663.7
Clay
47.6
651.6
Shale
50.0
649.1
Shale
52.4
646.7
Sandstone
63.1
636.0
Shale
66.1
633.0
Shale
75.0
624.1
Sandstone
77.1
622.0
Shale
77.4
621.7
Coal
81.7
617.4
Shale
83.2
615.9
Sandstone
90.8
608.3
Shale
91.7
607.4
Sandstone
96.0
603.1
Shale
102.1
597.0
Sandstone
107.0
592.1
Shale
108.8
590.3
Sandstone
109.7
589.4
Shale

Depth Elevation
(BGL) (AMSL)

(m) (m) Lithologic Description
15.2 683.9 Clay Sandy
20.1 679.0 Clay Sandy
24.7 674.4 Clay
29.3 669.8 Shale & Sandstone
35.4 663.7 Clay
47.6 651.6 Shale
50.0 649.1 Shale
52.4 646.7 Sandstone
63.1 636.0 Shale
66.1 633.0 Shale
75.0 624.1 Sandstone
77.1 622.0 Shale
77.4 621.7 Coal
81.7 617.4 Shale
83.2 615.9 Sandstone
90.8 608.3 Shale
91.7 607.4 Sandstone
96.0 603.1 Shale
102.1 597.0 Sandstone
107.0 592.1 Shale
108.8 590.3 Sandstone
109.7 589.4 Shale

Water Well Positioned by Mow-Tech in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Well Use:** Domestic
- **Completed Depth:** 55.8 m
- **NPWL (m):** 24.7
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 53.6
  - **Bottom (m):** 53.6
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
    - Top (m): Bottom (m):
    - Perforated How:
      - from (m): to Size:
      - from (m): to Size:
      - from (m): to Size:
- **Screen:**
  - **Material:** St
  - **OD (mm):** 1.2
    - from (m): to 54.9
    - Size: 0.01
  - **Bottom (m):** Top (m):
- **Open Hole:** from (m): to
- **Pump:**
  - **Model:** Intake (m):
  - **Testing:**
    - **Rate (lpm):** 45.6
    - **Time (minute):** 120.0
    - **Level End (m):** 24.1
    - **Rec’d intake (m):** 48.8
    - **Rec’d Rate (lpm):** 45.6

### Lithologic Description
<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>7.6</td>
<td>692.7</td>
<td>Sand Brown</td>
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<tr>
<td>10.7</td>
<td>689.7</td>
<td>Sand &amp; Coal Gray</td>
</tr>
<tr>
<td>22.9</td>
<td>677.5</td>
<td>Clay Blue</td>
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<td>28.7</td>
<td>671.7</td>
<td>Clay &amp; Rocks Blue</td>
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<td>34.8</td>
<td>665.6</td>
<td>Sand Gray</td>
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<td>36.0</td>
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<td>46.3</td>
<td>654.0</td>
<td>Sand Gray</td>
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<td>46.6</td>
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<td>Coal</td>
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<td>49.1</td>
<td>651.3</td>
<td>Sand</td>
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<td>49.4</td>
<td>651.0</td>
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</tr>
<tr>
<td>54.9</td>
<td>645.5</td>
<td>Sand Coarse Grained Gray</td>
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<tr>
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<td>Clay Blue</td>
</tr>
<tr>
<td>55.8</td>
<td>644.6</td>
<td>Shale</td>
</tr>
</tbody>
</table>

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27

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printed on 2/20/98
Well Number: 00852

Well Owner: Bastian, Cay
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 699
Licence No.: 215832
Date Started: 81,047.79
Date Completed: 5,814,833.14

General:
Type of Work: Old Well-Abandoned
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth: 35.8 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Bentonite Product 30 Apr 94

Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminium: Barium Manganese
 Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27

Remarks:

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Well Field Verified: No

Database: 1.000H

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.6 m
- **NPWL (m):** 22.6
- **Veriﬁed NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 51.8
- **Bottom (m):** 51.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 3.1 to 6.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 51.8 to 53.3
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Gould
- **Intake (m):** 51.2

### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):** 51.2
- **Drawdown (m):** 28.7
- **Rec’d intake (m):** 51.2
- **Rec’d Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Phosphate:**
- **Calcium:**
- **Manganese:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Remarks:
**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number 00853**

**Well Owner:** Bastion, Cay

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 701

**Licence No.:** Easting: 81,072.45

**Date Started:** 04 May 94

**Norting:** 5,915,205.50

**Date Completed:** 06 May 94

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.5</td>
<td>692.8</td>
<td>Sand Coarse Grained Brown</td>
</tr>
<tr>
<td>9.4</td>
<td>691.9</td>
<td>Coal</td>
</tr>
<tr>
<td>22.3</td>
<td>679.1</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>31.4</td>
<td>670.0</td>
<td>Clay Gray</td>
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<td>37.8</td>
<td>663.6</td>
<td>Clay Gray</td>
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<tr>
<td>41.5</td>
<td>659.9</td>
<td>Sand</td>
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<td>49.1</td>
<td>652.3</td>
<td>Clay Sandy Gray</td>
</tr>
<tr>
<td>54.6</td>
<td>646.8</td>
<td>Sand &amp; Sandstone Coarse Grained</td>
</tr>
</tbody>
</table>

---

**Remarks:** Yes Well Field Verified: No
Well Owner: Fairweather, John
Drilling Contractor: Unknown Driller

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 12.2 m
- **NPWL (m):** 
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Bottom (m):** Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **Bottom (m):** Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Screen:**
**Project:**
**AEP Data:** Yes
**Database:** 1.000H
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 00855**

**Well Owner:** Harper, M.  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

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**General:**
- **Type of Work:** New Well-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 52.1  
- **Bottom (m):** 52.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

**Screen:**
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 52.1  
- **to:** 53.6  
- **Size:** 0.01  
- **from (m):**  
- **to:** 

**Open Hole:**
- **from (m):**  
- **to:**

**Pump:** Gould
- **Model:** 7g05422  
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 48.8  
- **Drawdown (m):** 21.3  
- **Rec'd Rate (lpm):** 68.4  
- **Rec'd intake (m):**

**Depth Elevation (BGL) (AMSL):**

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<td>34.1</td>
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<td>43.0</td>
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<td>50.9</td>
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<tr>
<td>54.9</td>
<td>644.5</td>
<td>Sand Coarse Grained</td>
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**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Selenium:**  
- **Nitrate:** Sodium  
- **Strontium:** Potassium  
- **Nitrite:** Calcium  
- **Vanadium:** Calcium  
- **Molybdenum:**  
- **TC:** Magnesium  
- **Zinc:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Ion Balance:**  
- **Cadmium:**  
- **Amm. Nitrogen:**  
- **Chromium:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrates&Nitrite N:**  
- **Phosphate:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number: 00856**

**Well Owner:** Harper, Maryetta

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 699

**Licence No.:** Easting: 81,047.79

**Date Started:** Northing: 5,814,833.00

**Date Completed:**

---

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):** 48.8
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 00857  

**Well Owner:** Mcbride, Bruce  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 700  
**AEP:** 156623  
**Licence No.:** 80,098.91  
**Date Started:**  
**Northing:** 5,915,898.00  
**Date Completed:**  

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 47.2 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:**  
- **Depth (m):**  
- **Bottom (m):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  
- **Liner:**  
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **Open Hole:**  
- **from (m):** to  
- **Pump:**  
- **Model:**  
- **Intake (m):**  
- **Testing:**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Laboratory:
- **pH (pH unit):**  
- **Cond. (μS/cm):**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Selenium:**  
- **Potassium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Bicarbonate:**  
- **arsenic:**  
- **Total Hardness:**  
- **Limonite:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate and Nitrite N:**  

### Depth Elevation:
- **BGL (m):**  
- **AMSL (m):**  

### Lithologic Description:
(No Lithologic Information Available)

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**  
- **Database:** 1.000H

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 68.6 (m)
NPWL (m): 21.3 Verified NPWL (m):
Abandonment:
Casings:
Type: Steel
Depth (m): 40.2 Bottom (m): 40.2
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven from (m): 40.2 to
Liners:
Type: Driven
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 40.2 Bottom (m): 67.7
Perforated How: Machine
from (m): 40.2 to 67.7 Size:
from (m): to Size:
from (m): to Size:
Screens:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Holes:
from (m): to
Pumps:
Model: Intake (m):
Testing:
Rate (lpm): 22.8 Time (minute): 420.0
Level End (m): 33.5 Drawdown (m): 12.2
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsine Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
11.3 695.2 Sand
28.7 677.8 Clay Blue
36.0 670.5 Shale Sandy Gray
38.4 668.1 Shale Brown
40.8 665.6 Shale Gray
44.2 662.3 Shale & Coal Brown
49.7 656.8 Shale Gray
52.1 654.3 Shale & Coal Brown
53.6 652.8 Shale Gray
57.3 649.2 Shale Sandy Gray
59.1 647.3 Shale Gray
66.4 640.0 Shale Sandy Gray
68.6 637.9 Shale Gray

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 12.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

**Liner:**
- **Type:**
  - OD (mm):
  - Top (m):
  - from (m): to

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Screen:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Phosphate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Zinc:**
- **Vanadium:**
- **Molybdenum:**
- **Selenium:**
- **Nickel:**
- **Strontium:**
- **Sodium:**
- **Manganese:**
- **Aluminum:**
- **Barium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Screen:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Phosphate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Zinc:**
- **Vanadium:**
- **Molybdenum:**
- **Selenium:**
- **Nickel:**
- **Strontium:**
- **Sodium:**
- **Manganese:**
- **Aluminum:**
- **Barium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation**
- **BGL (m):**
- **AMSL (m):**

**Lithologic Description**

(No Lithologic Information Available)

**Database:**
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

**Well Number 00859**
- **Elevation (AMSL) (m):** 708
- **Date Started:**
- **Nortthing:** 5,815,724.00
- **Date Completed:**

**Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
NW 17-051-26 W4M

Well Owner: Kochan, Terry
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 709
AEP: 162209
Licence No.: Easting: 79,394.77
Date Started: 21 Oct 91
Northing: 5,815,780.50
Date Completed: 23 Oct 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 68.6 (m)
NPWL (m): 15.2
Abandonment:

Casing:
Type: Plastic
Depth (m): 28.0
Bottom (m): 28.0
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Formation Packer
from (m): to 28.0

Liner:
Type: Plastic
OD (mm): 127.0
Thickness (mm): 0.1
Top (m): 25.0
Bottom (m): 67.7

Perforated How: Saw
from (m): to 67.7
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 11.4
Time (minute): 420.0
Level End (m): 48.8
Drawdown (m): 33.5
Rec'd Rate (lpm):
Rec'd intake (m):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminium
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
Barium
Nitrite
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead
Arsenic
Manganese
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead

Mercury
Nickel
Strontium
Molybdenum
Vanadium
Zinc
Hydroxide
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate
Nitrite
N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 00861**

**Well Owner:** Bayne, R.G.  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

### General Information

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<td>Well Owner</td>
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### Lithologic Description

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### Casing Information

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### Liner Information

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<tr>
<td>Thickness (mm)</td>
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<td>from (m)</td>
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<td>to</td>
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<tr>
<td>from (m)</td>
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<td>to</td>
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<tr>
<td>from (m)</td>
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<tr>
<td>to</td>
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</table>

### Screen Information

<table>
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<tr>
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<tbody>
<tr>
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<tr>
<td>OD (mm)</td>
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<tr>
<td>Thickness (mm)</td>
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<td>from (m)</td>
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<td>to</td>
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<tr>
<td>from (m)</td>
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<tr>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Open Hole</td>
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</tr>
<tr>
<td>from (m)</td>
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<td>to</td>
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### Open Hole Information

<table>
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<td>Rate (lpm)</td>
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<td>Time (minute)</td>
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<tr>
<td>Level End (m)</td>
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<tr>
<td>Drawdown (m)</td>
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<tr>
<td>Rec'd intake (m)</td>
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<td>Rec'd Rate (lpm)</td>
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### Pump Information

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### Laboratory Analysis

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<td>Fluoride</td>
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<tr>
<td>Copper</td>
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<tr>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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### Water Well Positioning

Water Well Positioned by Mow-Tech in 10TM NAD 27

### Remarks

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number: 00862**

**Strand, Mike**

**Cobob Pumps And Services Ltd.**

**Elevation (AMSL) (m): 700**

**Licence No.: 150884**

**Easting: 76,806.98**

**Date Started: 10 Mar 90**

**Northing: 5,815,856.00**

**Date Completed: 13 Mar 90**

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 70.1 (m)  
- **NPWL (m):** 9.1  
- **Abandonment:**
- **Type:** Steel  
- **Depth (m):** 54.9  
- **Bottom (m):** 54.9  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 53.3  
- **to:**

### Casing:
- **Type:**
- **OD (mm):** 101.6  
- **Thickness (mm):** 0.1  
- **Top (m):** 35.0  
- **Bottom (m):** 68.6  
- **Perforated How:** Machine  
- **from (m):** 56.4  
- **to:** 68.6  
- **Size:**
- **from (m):** 68.6  
- **to:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 51.8  
- **Rate (lpm):** 68.4  
- **Time (minute):** 420.0  
- **Level End (m):** 48.8  
- **Drawdown (m):** 39.6  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury  
- **SAR:** Nickel  
- **TKN:** Selenium  
- **Nitrate:** Strontium  
- **Nitrite:** Molybdenum  
- **TN:** Vanadium  
- **TC:** Zinc  
- **DIC:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Barium:** Manganese  
- **Beryllium:** Phosphate  
- **Cadmium:** Ion Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Lead:** Nitrate&Nitrite N  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**NE 18-051-26 W4M**

**Well Number: 00863**

---

**Well Owner:** Strand, Mike  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 700  
**AEP:** 153887  
**Licence No.:** Easting: 78,806.98  
**Date Started:** Nothig: 5,815,856.00  
**Date Completed:** 19 Nov 90

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<th><strong>Elevation</strong></th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
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<td><strong>Type of Work:</strong> New Well</td>
<td>7.3</td>
<td>692.5</td>
<td>Sand</td>
<td></td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>13.7</td>
<td>686.1</td>
<td>Clay</td>
<td></td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td>24.4</td>
<td>675.5</td>
<td>Sand &amp; Gravel</td>
<td></td>
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<tr>
<td><strong>Completed Depth:</strong> 76.2</td>
<td>39.6</td>
<td>660.2</td>
<td>Clay</td>
<td></td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 21.3</td>
<td>54.9</td>
<td>645.0</td>
<td>Sand &amp; Gravel See Comments</td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td>57.9</td>
<td>641.9</td>
<td>Sandstone</td>
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<tr>
<td><strong>Type of Well:</strong></td>
<td>62.5</td>
<td>637.4</td>
<td>Shale Gray</td>
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<tr>
<td><strong>Drilling Contractor:</strong></td>
<td>64.0</td>
<td>635.8</td>
<td>Shale Brown</td>
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<tr>
<td><strong>Date Started:</strong></td>
<td>65.5</td>
<td>634.3</td>
<td>Sandstone</td>
<td></td>
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<tr>
<td><strong>Date Completed:</strong></td>
<td>68.3</td>
<td>631.6</td>
<td>Shale Gray</td>
<td></td>
</tr>
<tr>
<td><strong>Elevation (BGL):</strong></td>
<td>69.5</td>
<td>630.3</td>
<td>Shale Brown</td>
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<tr>
<td><strong>Type:</strong></td>
<td>70.1</td>
<td>629.7</td>
<td>Shale Gray</td>
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<tr>
<td><strong>Depth (m):</strong> 60.0</td>
<td>72.5</td>
<td>627.3</td>
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<tr>
<td><strong>Bottom (m):</strong> 60.0</td>
<td>73.2</td>
<td>625.2</td>
<td>Sandstone</td>
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<tr>
<td><strong>OD (mm):</strong> 152.4</td>
<td>74.7</td>
<td>623.6</td>
<td>Shale Gray</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
<td>76.2</td>
<td>641.9</td>
<td>Shale Gray</td>
<td></td>
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</tbody>
</table>

---

**Laboratory:**

| Chemical Constituents are in mg/l (ppm). Except as noted. |
|---|---|---|---|
|**pH (pH unit):** | 11.4 | **Time (minute):** | 540.0 |
|**Cond. (µS/cm):** | 70.1 | **Drawdown (m):** | 48.8 |
|**TDS:** | 68.6 | **Rec'd Rate (lpm):** | 9.1 |
|**SAR:** | 66.6 | **Intake (m):** | |
|**Sodium:** | 64.0 | **Perforated How:** | |
|**Potassium:** | 63.6 | **Intake (m):** | |
|**Calcium:** | 63.3 | **Material:** | |
|**Magnesium:** | 63.1 | **OD (mm):** | |
|**Carbonate:** | 62.8 | **from (m):** | |
|**Bicarbonate:** | 62.5 | **to:** | |
|**Aluminum:** | 62.2 | **Sieve:** | |
|**Barium:** | 61.9 | **Bottom (m):** | |
|**Sulphate:** | 61.6 | **Thickness (mm):** | |
|**Beryllium:** | 61.3 | **OD (mm):** | |
|**Chloride:** | 61.0 | **Type:** | |
|**Fluoride:** | 60.7 | **Thickness (mm):** | |
|**Iron:** | 60.4 | **Bottom (m):** | |
|**TOC:** | 60.1 | **Size:** | |
|**Silica:** | 59.8 | **from (m):** | |

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic
- Completed Depth: 14.3 m
- NPWL (m): 78,632.11
- Verifed NPWL (m): 78,632.11
- Abandonment: 
  - Type: 
  - Depth (m): Bottom (m): 
  - OD (mm): Thickness (mm): 
  - Seal Type: to 
- Lithologic Description: (No Lithologic Information Available)
- Well Use: Domestic
- Drilling Method: Not Applicable
- NPWL (m): 
- Verifed NPWL (m): 
- Abandonment: 
  - Type: 
  - Depth (m): Bottom (m): 
  - OD (mm): Thickness (mm): 
  - Seal Type: to 
- Lithologic Description: (No Lithologic Information Available)

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 21.6 m
- **NPWL (m):** 9.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 20.7
- **Bottom (m):** 20.7
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to 3.7

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:** Ga
- **OD (mm):** 7.3
- **from (m):** 18.0 to **Size:** 0.02
- **from (m):** to **Size:**
- **Open Hole:**
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 18.3

### Testing:
- **Rate (lpm):** 114.0
- **Time (minute):** 180.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickel
- **TDS:** TKN Selenium
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 00865

**Elevation (AMSL) (m):** 699

**AEP:** 159487

** Licence No.:**

**Date Started:** 15 Sep 91

**Date Completed:** 17 Sep 91

**Easting:** 78,632.11

**Northing:** 5,915,070.50

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 18-051-26 W4M**

**Well Owner:** Vermeeren, Tom  
Drilling Contractor: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 701  
**AEP:** 158143  
**Licence No.:**  
**Easting:** 78,767.55  
**Northing:** 5,815,264.00  
**Date Started:** 10 Dec 90  
**Date Completed:** 10 Dec 90

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<th>Lithologic Description</th>
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| Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**  
Completed Depth: **56.4 (m)**  
NPWL (m): **15.2**  
Verified NPWL (m):  
Abandonment:  
Casing:  
Type: **Plastic**  
Depth (m): **50.3**  
Bottom (m): **50.3**  
OD (mm): **141.2**  
Thickness (mm): **0.1**  
Seal Type: **Unknown**  
from (m): to  
Liner:  
Type:  
OD (mm):  
Top (m):  
Bottom (m):  
Perforated How:  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  
Screen:  
Material: St  
OD (mm): **0.9**  
from (m): **50.3** to **51.8**  
Size: **0.02**  
from (m):  
Size:  
Open Hole:  
from (m):  
Pump:  
Model:  
Intake (m):  
Testing:  
Rate (lpm): **63.9**  
Time (minute): **420.0**  
Level End (m): **21.3**  
Drawdown (m): **6.1**  
Rec’d intake (m):  
Rec’d Rate (lpm):  

| Laboratory: | Electric Log: No  
Transmissivity: m³/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No |
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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Water Well Positioned by PFRA in 10TM NAD 27
**SW 18-051-26 W4M**

**Well Owner:** Beilman, Chris  
**Drilling Contractor:** Unknown Driller

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| **Type of Work:** Chemistry  
**Drilling Method:** Unknown  
**Well Use:** Domestic  
** Completed Depth: 36.6 (m)** |
| **NPWL (m):** Verified NPWL (m): |
| **Abandonment:** |
| **Casing:** |
| **Type:**  
**Depth (m):** Bottom (m):  
**OD (mm):** Thickness (mm):  
**Seal Type:**  
** from (m):** to |
| **Liner:** |
| **Type:**  
**OD (mm):** Thickness (mm):  
**Top (m):** Bottom (m):  
**Perforated How:**  
** from (m):** to **Size:**  
** from (m):** to **Size:**  
** from (m):** to **Size:** |
| **Screen:** |
| **Material:**  
**OD (mm):**  
** from (m):** to **Size:**  
** from (m):** to **Size:**  
** from (m):** to **Size:** |
| **Open Hole:**  
** from (m):** to |
| **Pump:**  
**Model:**  
** Intake (m):** |
| **Testing:**  
** Rate (lpm):**  
** Time (minute):**  
**Level End (m):** Drawdown (m):  
**Rec'd intake (m):** Rec'd Rate (lpm): |

<table>
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<tr>
<th>Laboratory</th>
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| **pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS: TKN:**  
**Sodium:** Nitrate  
**Potassium:** Nitrite  
**Calcium:**  
**Magnesium:**  
**Carbonate:** DIC  
**Bicarbonate:** Arsenic  
**Aluminium:** Barium  
**Sulphate:** Beryllium  
**Chloride:** Cadmium  
**Fluoride:** Chromium  
**Iron:** Cobalt  
**TOC:** Copper  
**Silica:** Lead  |
| **Chemical Constituents are in mg/l (ppm). Except as noted.** |

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<th>Electric Log</th>
<th>Gamma Log</th>
<th>Aquifer Test</th>
<th>Project</th>
<th>AEP Data</th>
<th>Database</th>
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</thead>
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<tr>
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<td>No</td>
<td>No</td>
<td>1.000H</td>
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</table>

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 52.1 m
- **NPWL (m):** 16.1
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 50.0
- **Bottom (m):** 50.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 36.6

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 50.0 to 51.5
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 39.6

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 420.0
- **Level End (m):** 20.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **TOC:**
- **Silica:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Elevation (AMSL) (m):** 703
- **AEP:** 153886
- **Licence No.:** 77,797.07
- **Date Started:** 29 Oct 90
- **Northing:** 5,814,791.00
- **Date Completed:** 29 Oct 90
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.3 (m)
- **NPWL (m):** 17.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 47.2
- **Bottom (m):** 47.2
- **OD (mm):** 127.0
- **Thicknss (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
  - from (m): 30.2

**Liner:**
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m):
  - to:
  - Size:
- **Screen:**
  - **Material:** St
  - OD (mm): 0.9
  - from (m): 47.2
  - to 48.8
  - Size: 0.01
  - from (m): 48.8
  - to:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
  - Intake (m): 36.6

**Testing:**
- **Test Intake (lpm):** 54.7
- **Time (minute):** 420.0
- **Level End (m):** 24.4
- **Drawdown (m):** 7.3
- **Rec'd Intake (m):** Rec'd Rate (lpm): 36.5

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sulphate:**
- **Beryllium:**
- **Magnesium:**
- **Calcium:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Aluminium:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Total Phosphate:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Alkalinity:**
- **TOC:**
- **Copper:**
- **Total Nitrate:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 00870**

**Well Owner:** Double D Foods

**Drilling Contractor:** Kap'S Drilling Ltd.

**Licence No.:** Easting: 77,797.07
**Norting: 5,814,791.00**

**Elevation (AMSL) (m):** 703
**AEP: 238847**

**Date Started:** 13 Oct 92
**Date Completed:** 13 Oct 92

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 53.3 (m)
- **NPWL (m):** 20.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Cuttings
- **from (m):** to 45.7

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **Thickness (mm):**
- **Bottom (m):**
- **Size:**
- **from (m):** to 50.3
- **Size:**
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 30.5
- **Drawdown (m):** 9.8
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 m
- **NPWL (m):** 18.0
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 40.2
  - **Bottom (m):** 40.2
  - **OD (mm):** 152.4
  - **Thick. (mm):** 0.1
- **Seal Type:** Shale Trap
  - **from (m):** 39.9
  - **to:**

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thick. (mm):** 0.1
  - **Top (m):** 38.1
  - **Bottom (m):** 85.3
- **Perforated How:** Machine
  - **from (m):** 73.2
  - **to:** 85.3
  - **Size:**
  - **from (m):** to
  - **to:**

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **to:** Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 70.1

**Testing:**
- **Rate (lpm):** 9.1
- **Time (minute):** 420.0
- **Level End (m):** 44.8
- **Drawdown (m):** 26.8
- **Rec’d Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>Sand Brown</td>
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<td>29.3</td>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:**
**Database:** 1.000H

**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.4 (m)
- **NPWL (m):** 16.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 36.3
- **Bottom (m):** 36.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 36.3

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 34.1
- **Bottom (m):** 58.5

### Perforated How: Saw
- **from (m):** to 58.5
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump: Sub
- **Model:** Jacuzzi
- **Intake (m):** 45.7

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 120.0
- **Level End (m):** 39.6
- **Drawdown (m):** 23.2
- **Rec’d intake (m):** 45.7
- **Rec’d Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 00873**

**SW 18-051-26 W4M**

**Well Owner:** McNalley, Richard

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 700

**AEP:** 193956

**Date Started:**

**Northing:** 5,815,307.50

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<th>Depth Elevation</th>
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<tbody>
<tr>
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<td>(BGL) (AMSL)</td>
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<tr>
<td>Drilling Method: Unknown</td>
<td>(m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
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**Completed Depth:** 61.0 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

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<th>Type:</th>
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<td>OD (mm):</td>
<td>Thickness (mm):</td>
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**Seal Type:**

| from (m): | to |

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<th>Type:</th>
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<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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**Perforated How:**

| from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

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<tr>
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<td>Thickness (mm):</td>
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<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): |

**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<tr>
<td>Rec’d intake (m):</td>
<td>Rec’d Rate (lpm):</td>
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**Laboratory:**

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<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

printed on 2/20/98
Well Owner: Pannu, John  
Drilling Contractor: Westar Water Well Drilling Ltd.

Pannu, John 152429703  
77,797.07  
29 May 90  
Westar Water Well Drilling Ltd.  
5,914,791.00  
30 May 90

New Well  
Rotary  
6.7  
Domestic  
Sand  
696.2  
11.6  
Clay  
54.3  
691.3  
15.9  
Sand  
18.3  
35.0  
Clay  
54.3  
648.6  
Sand  
Plastic  
53.0  
68.4  
120.0  
Sub  
Jacuzzi  
49.4  
68.4  
120.0

Electric Log: No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 19-051-26 W4M**

**Well Owner:** Johner, Peter  
**Drilling Contractor:** Mccinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 701  
**AEP:** 206627  
**Licence No.:**  
**Date Started:** 13 May 93  
**Date Completed:** 14 May 93

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 77.7 (m)  
- **NPWL (m):** 24.4  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 36.6  
- **Bottom (m):** 36.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 36.6

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 33.2  
- **Bottom (m):** 76.8  
- **Perforated How:** Saw  
- **from (m):** to 76.8  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 39.6  
- **Drawdown (m):** 15.2  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Barium:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.
NE 19-051-26 W4M

Well Owner: McIntyre, A.
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 700
AEP: 151107
Licence No.: Easting: 76,575.29
Date Started: 25 Sep 89 Northing: 5,917,227.83
Date Completed: 25 Sep 89

Water Well Positioned by Mow-Tech in 10TM NAD 27

**General:**
- Type of Work: New Well-Abandoned
- Drilling Method: Rotary
  - Well Use: Domestic
  - Completed Depth: 42.7 m
  - NPWL (m): Verified NPWL (m):
  - Abandonment: Cuttings

**Casing:**
- Type: 
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type: from (m) to

**Liner:**
- Type: 
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How: from (m) to Size:
  - from (m) to Size:
  - from (m) to Size:

**Screen:**
- Material: 
  - OD (mm):
  - from (m) to Size:
  - from (m) to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR: Nickel
- TDS: TKN: Selenium
- Sodium: Nitrate: Strontium
- Potassium: Nitrite: Molybdenum
- Calcium: TN: Vanadium
- Magnesium: TC: Zinc
- Carbonate: DIC: Hydroxide
- Bicarbonate: Arsenic: Total Hardness
- Aluminum: Barium: Manganese
- Sulphate: Beryllium: Phosphate
- Chloride: Cadmium: Iron Balance
- Fluoride: Chromium: Ammonium Nitrogen
- Iron: Cobalt: Total Phosphate
- TOC: Copper: Total Alkalinity
- Silica: Lead: Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
- (BGL) (AMSL)
- Lithologic Description
  - (m) (m)
  - 5.2 695.3 Sand
  - 18.6 681.9 Sand Silty
  - 20.1 680.3 Sand
  - 24.7 675.8 Sand Silty
  - 26.2 674.2 Sand
  - 29.3 671.2 Clay Stoney
  - 34.1 666.3 Siltstone
  - 42.7 657.8 Shale

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Remarks:

Printed on 2/20/98
### General:
- **Well Owner:** McIntyre, Al
- **Drilling Contractor:** D&D Water Well Drilling & Services
- **Elevation (AMSL) (m):** 700
- **AEP:** 150885
- **Licence No.:** Easting: 76,575.29
- **Date Started:** 13 Mar 90
- **No.:** Northing: 5,917,227.83
- **Date Completed:** 14 Mar 90

#### Depth Elevation

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<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>5.5</td>
<td>695.0</td>
<td>Sand</td>
</tr>
<tr>
<td>22.3</td>
<td>678.2</td>
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<td>23.8</td>
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<td>38.7</td>
<td>661.7</td>
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<td>47.6</td>
<td>652.9</td>
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<td>65.5</td>
<td>634.9</td>
<td>Shale &amp; Coal Brown</td>
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<td>90.5</td>
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<tr>
<td>121.9</td>
<td>578.5</td>
<td>Shale Gray</td>
</tr>
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</table>

#### Laboratory:
- **pH (pH unit):** 
- **Cond. (µS/cm):** 
- **TDS:** TKN, Selenium
- **Sodium:** Nitrate, Strontium
- **Potassium:** Nitrite, Molybdenum
- **Calcium:** TN, Vanadium
- **Magnesium:** TC, Zinc
- **Carbonate:** DIC, Hydroxide
- **Bicarbonate:** Arsenic, Total Hardness
- **Aluminum:** Barium, Manganese
- **Sulphate:** Beryllium, Phosphate
- **Chloride:** Cadmium, Ion Balance
- **Fluoride:** Chromium, Amm. Nitrogen
- **Iron:** Cobalt, Total Phosphate
- **TOC:** Copper, Total Alkalinity
- **Silica:** Lead, Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No

---

**Well Number:** 00877
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

**Completed Depth:** 54.9 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Iron</td>
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<tr>
<td>Screen</td>
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<td>Nitrate &amp; Nitrite</td>
<td>mm</td>
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<td></td>
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</tr>
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<td>Ion Balance</td>
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</tr>
<tr>
<td>Amm. Nitrogen</td>
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<td>Total Phosphate</td>
<td></td>
</tr>
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<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
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<tr>
<td>Copper</td>
<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
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**Electric Log:** No
**Transmissivity:** m³/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 19-051-26 W4M**

**Well Owner:** McIntyre, Pat  
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th>Well Number: 00879</th>
<th>Elevation (AMSL) (m): 704</th>
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<tr>
<td></td>
<td>Date Started:</td>
<td>Easting: 77,695.38</td>
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<td></td>
<td>Date Completed:</td>
<td>Northing: 5,917,934.00</td>
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### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 57.9 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Intake (m):  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate & Nitrite N  

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:** Project: Database: 1.000H  
- **AEP Data:** Yes Well Field Verified: No  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27  

*Chemical Constituents are in mg/l (ppm). Except as noted.*  

*Water Well Positioned by PFRA in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*  

*Water Well Positioned by PFRA in 10TM NAD 27*  

*Chemical Constituents are in mg/l (ppm). Except as noted.*  

*Water Well Positioned by PFRA in 10TM NAD 27*  

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by PFRA in 10TM NAD 27*  

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**General:**

<table>
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<th>Type of Work:</th>
<th>New Well</th>
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<tr>
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<td>Bored</td>
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<td>Well Use:</td>
<td>Domestic &amp; Stock</td>
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<td>Completed Depth:</td>
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<td>NPWL (m):</td>
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<td>Verified NPWL (m):</td>
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**Casing:**

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<td>14.6 Bottom (m): 14.6</td>
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<td>OD (mm):</td>
<td>609.6 Thickness (mm): 0.0</td>
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<td>Seal Type:</td>
<td>Bentonite Chips/Table</td>
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<td>from (m):</td>
<td>5.5 to 5.8</td>
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**Liner:**

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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How: from (m):</td>
<td>to Size:</td>
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<tr>
<td>from (m):</td>
<td>to Size:</td>
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<td>from (m):</td>
<td>to Size:</td>
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**Screen:**

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<td>OD (mm):</td>
<td>7.3</td>
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<td>from (m):</td>
<td>6.7 to 7.3 Size: 0.02</td>
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<td>from (m):</td>
<td>to Size:</td>
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**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): 14.6 |

**Testing:**

| Rate (lpm): | 22.8 Time (minute): 120.0 |
| Level End (m): | 12.8 Drawdown (m): 7.3 |
| Rec'd intake (m): | 12.2 Rec'd Rate (lpm): 18.2 |

**Laboratory:**

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<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
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<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
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<td>TDS</td>
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<tr>
<td>silica</td>
<td>Lead</td>
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</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## SW 19-051-26 W4M

**Well Number:** 00881

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 58.2 m

**NPWL (m):** Verifed NPWL (m):

**Abandonment:**

- **Type:** Unknown
- **Depth (m):** 27.7
- **Bottom (m):** 27.7

**OD (mm):** 114.3

**Thickness (mm):** 0.0

**Seal Type:** Driven

**from (m):** to 27.7

### Casing:

- **Type:** Unknown
- **Depth (m):** 27.7
- **Bottom (m):** 27.7

**OD (mm):** 76.2

**Thickness (mm):**

**Top (m):** Bottom (m): 57.9

### Liner:

- **Type:** Unknown
- **OD (mm):**
- **Thickness (mm):**

**Top (m):** Bottom (m):

### Screen:

- **Material:** Unknown
- **OD (mm):**
- **Thickness (mm):**

**from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Intake (m): 27.4

### Testing:

- **Rate (lpm):** 10.3
- **Time (minute):** 120.0
- **Level End (m):** 27.4
- **Drawdown (m):**

**Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:

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<th>pH (pH unit)</th>
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<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<tr>
<td>TDS</td>
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<tr>
<td>Silica</td>
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</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- Electric Log: No
- Transmissivity: m³/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SW 19-051-26 W4M**

**General:**
- **Type of Work:** Deepened
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 23.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m): 
- **OD (mm):** Thickness (mm): 
- **Seal Type:** from (m): to 

**Liner:**
- **Type:**
- **OD (mm):** 88.9 Thickness (mm): 0.1 
- **Top (m):** 24.4 Bottom (m): 73.2 

**Perforated How:** Machine
- **from (m):** to 48.8 Size: 
- **from (m):** to 61.0 Size: 
- **from (m):** to 73.2 Size: 

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size: 
- **from (m):** to Size: 

**Open Hole:**
- from (m): to 

**Pump:** Jet Sub
- **Model:** Grundfos
- **Intake (m):** 61.0 

**Testing:**
- **Rate (lpm):** 31.9 Time (minute): 120.0 
- **Level End (m):** 61.0 Drawdown (m): 37.8 
- **Rec'd intake (m):** 61.0 
- **Rec'd Rate (lpm):** 27.4 

**Laboratory:**
- **pH (pH unit):** COD Mercury 
- **Cond. (µS/cm):** SAR Nickel 
- **TDS:** TKN Selenium 
- **Sodium:** Nitrate Strontium 
- **Potassium:** Nitrite Molybdenum 
- **Calcium:** TN Vanadium 
- **Magnesium:** TC Zinc 
- **Carbonate:** DIC Hydroxide 
- **Bicarbonate:** Arsenic Total Hardness 
- **Aluminium:** Barium Manganese 
- **Sulphate:** Beryllium Phosphate 
- **Chloride:** Cadmium Ion Balance 
- **Fluoride:** Chromium Amm. Nitrogen 
- **Iron:** Cobalt Total Phosphate 
- **TOC:** Copper Total Alkalinity 
- **Silica:** Lead Nitrate&Nitrite N 

**Electric Log:** No Transmissivity: m²/day 
**Gamma Log:** No Storativity: 
**Aquifer Test:** No 
**Project:** Database: 1.000H 
**AEP Data:** Yes Well Field Verified: No 

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
02-21-051-26 W4M

Well Owner: Cook, Bruce
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 700
Licence No.: AEP: 217957
Date Started: 04 Aug 93
Northing: 81,513.80
Date Completed: 05 Aug 93
Northing: 5,816,510.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 85.3 (m)
NPWL (m): 36.6
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 61.6
Bottom (m): 61.6
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Driven & Shale Trap
from (m): 60.0 to 61.6

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 57.9
Bottom (m): 85.3
Perforated How: Saw
from (m): 70.1 to 82.3
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Gould
Model: 5g05422
Intake (m): 70.1

Testing:
Rate (lpm): 22.8
Time (minute): 420.0
Level End (m): 70.1
Drawdown (m): 33.5
Rec’d intake (m): 67.1
Rec’d Rate (lpm): 22.8

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
## NE 21-051-26 W4M

**Well Owner:** Cunningham, Roy  
**Drilling Contractor:** Summer's Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic  
- **Completed Depth:** 21.6m (m)  
- **NPWL (m):** 2.4  
- **Veriﬁed NPWL (m):**  
- **Abandonment:**  
- **Type:** Galvanized Steel  
- **Depth (m):** 21.6  
- **Bottom (m):** 21.6  
- **OD (mm):** 609.6  
- **Thickness (mm):** 0.0  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 3.7

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:** St  
- **OD (mm):** 7.3  
- **from (m):** 6.7  
- **to 7.3 Size:** 0.01  
- **from (m):** to Size:  
- **Open Hole:**  
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):** 18.3  

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 180.0  
- **Level End (m):** 11.6  
- **Drawdown (m):** 9.1  
- **Rec'd intak (m):**  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Nitrate:**  
- **Sodium:**  
- **Strontium:**  
- **Potassium:**  
- **Selenium:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Barium:**  
- **Manganese:**  
- **Aluminium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Ion Balance:**  
- **Flouride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **Bicarbonate:**  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** m²/day  
- **Aquifer Test:** Yes  
- **AEP Data:** Yes  
- **Database:** 1.000H  
- **NY Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation (AMSL) (m):** 699  
**AEP:** 156979  
**Licence No.:**  
**Easting:** 81,819.62  
**Northing:** 5,917,377.50  
**Date Started:** 23 Jul 90  
**Date Completed:** 24 Jul 90
08-22-051-26 W4M

Well Owner: Dixon, Shirley
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Well Number 00885

Elevation (AMSL) (m): 702
AEP: 185960
Licence No.: 83,597.25
Date Started: 21 Oct 92
Easting: 5,816,328.50
Date Completed: 22 Oct 92
Northings: 83,597.25

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<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>Well Use: Domestic &amp; Stock</td>
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<td>44.2</td>
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<td>Top (m):</td>
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<tr>
<td>from (m): to Size:</td>
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<th>Pump:</th>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<tr>
<td>Potassium</td>
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<tr>
<td>Calcium</td>
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<td>Fluoride</td>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
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<td>Silica</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td>Gamma Log: No</td>
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<tr>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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printed on 2/20/98
**Well Number: 00886**

**Well Owner:** Kolesch, E.H.

**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

**Elevation (AMSL) (m):** 701

**AEP:** 272597

**Licence No.:**

**Date Started:** 08 Nov 82

**Date Completed:** 09 Nov 82

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<tr>
<td><strong>Type of Work:</strong> New Well</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<td><strong>Completed Depth:</strong> 54.9 (m)</td>
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<tr>
<td><strong>NPWL (m):</strong> 24.1</td>
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<td><strong>Abandonment:</strong></td>
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<tr>
<td><strong>Casing:</strong></td>
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<tr>
<td><strong>Type:</strong> Steel</td>
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<tr>
<td><strong>Depth (m):</strong> 46.9</td>
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<td><strong>Bottom (m):</strong> 46.9</td>
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<tr>
<td><strong>OD (mm):</strong> 114.3</td>
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<td><strong>Seal Type:</strong> Loose</td>
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<td><strong>from (m):</strong> to</td>
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<td><strong>Liner:</strong></td>
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<td><strong>Type:</strong></td>
</tr>
<tr>
<td><strong>OD (mm):</strong></td>
</tr>
<tr>
<td><strong>Top (m):</strong> Bottom (m):</td>
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<td><strong>Perforated How:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
</tr>
<tr>
<td><strong>Screen:</strong></td>
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<tr>
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<td><strong>from (m):</strong> 46.9 to 48.2</td>
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<tr>
<td><strong>from (m):</strong> to</td>
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<tr>
<td><strong>Pump:</strong></td>
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<td><strong>Model:</strong></td>
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<td><strong>Rec'd Rate (lpm):</strong></td>
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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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<th>Depth Elevation (BGL) (AMSL)</th>
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<td>(m)</td>
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<td>6.1</td>
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<tr>
<td>Aquifer Test: No</td>
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<tr>
<td>AEP Data: Yes</td>
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<td>Well Field Verified: No</td>
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**printed on 2/20/98**
**Well Number:** 00887

**Elevation (AMSL) (m):** 701

**AEP:** 152800

**Well Use:** Domestic

**Licence No.:** Easting: 82,594.45

**Date Started:** 30 Aug 90

**Northing:** 5,817,717.00

**Date Completed:** 31 Aug 90

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<td>(m)</td>
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<td>(m)</td>
<td>(m)</td>
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<td>(m)</td>
<td>(m)</td>
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<td>Open Hole:</td>
<td>from (m): to</td>
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<td>Drawdown (m): 4.6</td>
<td></td>
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<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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</tr>
</tbody>
</table>

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydioxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Iron Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite |

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 22-051-26 W4M**

**Well Number:** 00888

**Well Owner:** Becic, Mark/Lorraine

Drilling Contractor: Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 702

**Licence No.:** AEP: 216215

**Easting:** 82,650.02

**Date Started:** 09 Jul 93

**Northings:** 5,917,277.50

**Date Completed:** 09 Jul 93

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 63.1 (m)
- **NPWL (m):** 23.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth:** 57.3 (m) Bottom: 57.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from:** 48.5 to 49.4

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from:**
- **to:**
- **Size:**

### Screen:

- **Material:** St
- **OD (mm):** 0.9
- **from:** 57.3 to 58.8
- **Size:** 0.01
- **from:**
- **to:**

### Open Hole:

- **from:**
- **to:**

### Pump:

- **Model:** 7g05412
- **Intake (m):** 54.9

### Laboratory:

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<th>Unit</th>
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<td>TC</td>
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<td>Ion Balance</td>
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<td>Cobalt</td>
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<td>TOC</td>
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<tr>
<td>Copper</td>
<td></td>
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<tr>
<td>Total Alkalinity</td>
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</tr>
<tr>
<td>Silicon</td>
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<tr>
<td>Lead</td>
<td></td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
<td></td>
</tr>
</tbody>
</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing:

- **Rate (lpm):** 54.7
- **Time (minute):** 360.0
- **Level End (m):** 45.7
- **Drawdown (m):** 22.6
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):** 36.5

### Electric Log:

- **Transmissivity:** m³/day
- **Storativity:**

### Gamma Log:

- **Aquifer Test:** Yes
- **Database:** Project: 1.000H

### REmarks:

- Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 22-051-26 W4M**

**Well Number:** 00889

**Well Owner:** Dressler, Don

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 702  
**AEP:** 183128

**Licence No.:**  
**Easting:** 82,650.02  
**Northing:** 5,917,277.50

**Date Started:** 08 Nov 93  
**Date Completed:** 09 Nov 93

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 21.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 54.9  
**Bottom (m):** 54.9
- **OD (mm):** 152.4  
**Thicknes (mm):** 0.1
- **Seal Type:** Formation Seal
  - from (m): to  54.9

### Liner:

- **Type:**
- **OD (mm):**  
**Thickness (mm):**
- **Top (m):**  
**Bottom (m):**
- **Perforated How:**
  - from (m): to  Size:
  - from (m): to  Size:
  - from (m): to  Size:

### Screen:

- **Material:** St  
**OD (mm):** 1.2
- **from (m):** 54.9  
**to:** 56.4  
**Size:** 0.01
- **Open Hole:**
  - from (m): to

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 63.9  
**Time (minute):** 420.0
- **Level End (m):**
**Drawdown (m):** 4.9
- **Rec’d intake (m):** 26.8  
**Rec’d Rate (lpm):** 63.9

### Laboratory:

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<th>Mercury</th>
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<td>Silica</td>
<td>Lead</td>
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<td></td>
</tr>
</tbody>
</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:** No  
**Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes  
**Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*

printed on 2/20/98
**Well Number: 00890**

**Well Owner:** Fraser, Allan

**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 702  
**AEP:** 163077  
**Licence No.:** Easting: 82,650.02  
**Date Started:** 31 Jul 91  
**Nothing:** 5,917,277.50  
**Date Completed:** 01 Aug 91

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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<thead>
<tr>
<th>Completed Depth</th>
<th>(m)</th>
<th>NPWL (m)</th>
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- **Abandonment:**

### Casing:

- **Type:** Plastic  
- **Depth (m):** 59.1  
- **Bottom (m):** 59.1  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1

- **Seal Type:** Benseal  
- **from (m):** 48.8  
- **to:** 49.4

### Liner:

- **Type:** St  
- **OD (mm):** 1.2  
- **from (m):** 57.6  
- **to:** 59.1  
- **Size:** 0.01

### Screen:

- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 57.6  
- **to:** 59.1  
- **Size:** 0.01

### Open Hole:

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
</thead>
</table>

### Pump:

- **Model:**  
- **Intake (m):** 54.9

### Testing:

- **Rate (lpm):** 63.9  
- **Time (minute):** 120.0  
- **Level End (m):** 54.9  
- **Drawdown (m):** 13.7  
- **Rec'd intake (m):** 54.9  
- **Rec'd Rate (lpm):** 45.6

### Laboratory:

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### Electric Log:

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<tr>
<td>AEP Data</td>
<td>Yes</td>
<td>Well Field Verified: No</td>
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### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 00891  
**Well Owner:** Fraser, Ken  
**Drilling Contractor:** Rodco Drilling  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 58.5 (m)  
- **NPWL (m):** 39.6  
- **Abandonment:** 

### Casing:
- **Type:** Plastic  
- **Depth (m):** 58.5  
- **Bottom (m):** 58.5  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Benseal  
- **from (m):** 57.0  
- **to:** 58.5  

### Liner:
- **Type:** St  
- **OD (mm):** 1.2  
- **from (m):** 57.0  
- **to:** 58.5  
- **Thickness (mm):** 0.01  
- **Perforated How:**  

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 57.0  
- **to:** 58.5  
- **Size:** 0.01  

### Open Hole:
- **from (m):** 
- **Pump:**  
- **Model:** 
- **Intake (m):** 54.9  

### Testing:
- **Rate (lpm):** 82.1  
- **Time (minute):** 120.0  
- **Level End (m):** 54.9  
- **Depth (m):** 54.9  
- **Rec'd Rate (lpm):** 45.6  

### Laboratory:

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<tr>
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<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
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### Electric Log:
- **Transmissivity:** m³/day  

### Gamma Log:
- **Storativity:**  

### Aquifer Test:
- **No**  

### Project:
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 702  
**AEP:** 163065  
**Licence No.:** Easting: 82,650.02  
**Date Started:** 02 Aug 91  
**Northing:** 5,917,277.50  
**Date Completed:** 02 Aug 91
**NW 22-051-26 W4M**

**Well Owner:** Stark, Dale/Angela  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 57.9 m
- NPWL (m): 22.3
- Verif. NPWL (m): 
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 54.3
- Bottom (m): 54.3
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): 35.7 to 36.6

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 11
- from (m): 54.3 to 55.8
- Size: 0.01
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: 7g05412
- Intake (m): 30.5

**Testing:**
- Rate (lpm): 34.2
- Time (minute): 120.0
- Level End (m): 24.4
- Drawdown (m): 1.8
- Rec'd Rate (lpm): 47.2
- Rec'd intake (m): 31.9

**Laboratory:**
- pH (pH unit): 
- Cond. (µS/cm): 
- TDS: 
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.5 m
- **NPWL (m):** 25.8 m
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 43.6 m
- **Bottom (m):** 43.6 m
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1 mm
- **Seal Type:** Bentonite Chips/Tabl

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

#### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 43.6 m
- **to (m):** 45.1 m
- **Size:** 0.01

#### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):** 44.8

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 240.0
- **Level End (m):** 42.7
- **Rec'd intake (m):** 42.7
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
**NW 22-051-26 W4M**

**Well Number: 00894**

**Well Owner:** Win Alta Shelters  
**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 702  
**AEP:** 195402  
**Licence No.:** Easting: 82,650.02  
**Date Started:** 18 Apr 92  
**Northing:** 5,917,277.50  
**Date Completed:** 18 Apr 92

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 (m)  
- **NPWL (m):** 22.6  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 47.2  
- **Bottom (m):** 47.2  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tablet  
- **from (m):** 42.1 to 42.7

**Liner:**
- **Type:** St  
- **OD (mm):** 1.2  
- **from (m):** 47.2 to 48.8  
- **Size:** 0.01

**Screen:**
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 47.2 to 48.8  
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**  
- **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 23.2  
- **Rec'd intake (m):** 45.7  
- **Rec'd Rate (lpm):** 45.8

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury
- **Cond. (µS/cm):** SAR  
- **Nitrate:** Molybdenum
- **TDS:** TKN  
- **Strontium:** Manganese
- **Sodium:** Nitrite  
- **Molybdenum:**  
- **Potassium:** Nitrate  
- **Selenium:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Nitrate:** Beryllium  
- **Phosphate:**  
- **chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate & Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
**SE 22-051-26 W4M**

**Well Owner:** Holst, Peter  
**Drilling Contractor:** Midwest Water Well Ltd.

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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

#### Completed Depth:
- **NPWL (m):** 45.7 (m)
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (μS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Ammonium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrates:**
- **Total Hardness:**
- **Bicarbonate:**
- **Phosphate:**
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- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate:**
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- **Molybdenum:**
- **Sodium:**
- **Strontium:**
- **Magnesium:**
- **Cadmium:**
- **Yttrium:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquitard Test:**
- **Aquitard Test:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- **AEP Data:** Yes
- **Well Field Verified:** No
**SE 22-051-26 W4M**

**Well Number:** 00897

**Well Owner:** Saulit, Ken  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 59.4 m  
- **NPWL (m):** 21.3  
- **Verified NPWL (m):** Abandonment:  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 50.6  
- **Bottom (m):** 50.6  
- **OD (mm):** 141.2  
- **Thickmess (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 50.6

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 50.6 to 52.1  
- **Size:** 0.01

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 63.9  
- **Time (minute):** 420.0  
- **Level End (m):** 15.2  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Nitrate:**  
- **Selenium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
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- **Magnesium:**  
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- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
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- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity (m²/day):**  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Project:**  
- **Database:** 1000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
**NE 23-051-26 W4M**

**Well Number: 00898**

- **Well Owner:** Billesberger, Darrell
- **Drilling Contractor:** Bar-K Water Well Drilling Ltd.
- **Elevation (AMSL) (m):** 701
- **AEP:** 169277
- **Licence No.:**
- **Date Started:** 18 Aug 92
- **Easting:** 85,113.21
- **Date Completed:** 19 Aug 92
- **Northing:** 5,917,593.50

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

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**Abandonment:**

### Casing:
- **Type:** Plastic

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**Seal Type:** Bentonite Chips/Tablet

**from (m):** to **6.1**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**

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**Screen:**
- **Material:** St
- **OD (mm):** 0.9

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**Open Hole:**

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### Pump:

- **Model:**
- **Intake (m):** 11.3

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### Laboratory:

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<th>TDS</th>
<th>Sodium</th>
<th>Potassium</th>
<th>Calcium</th>
<th>Magnesium</th>
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<th>Bicarbonate</th>
<th>Beryllium</th>
<th>Aluminium</th>
<th>Barium</th>
<th>Manganese</th>
<th>Sulphate</th>
<th>Chloride</th>
<th>Bismuth</th>
<th>Fluoride</th>
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<th>Cobalt</th>
<th>TOC</th>
<th>CO2</th>
<th>TOC</th>
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<td>SAR</td>
<td>TKN</td>
<td>Nitrate</td>
<td>Nitrile</td>
<td>Molybdenum</td>
<td>DIC</td>
<td>Arsenic</td>
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<td>Oxide</td>
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<td>Cobalt</td>
<td>Copper</td>
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<td>Lead</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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<tr>
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<td>Nickel</td>
<td>Strontium</td>
<td>Selenium</td>
<td>Strontium</td>
<td>Vanadium</td>
<td>Hydroxide</td>
<td>Total Hardness</td>
<td>Ion Balance</td>
<td>Total Phosphate</td>
<td>Zinc</td>
<td>Ion Balance</td>
<td>Amm. Nitrogen</td>
<td>Strontium</td>
<td>Total Alkalinity</td>
<td>Total Alkalinity</td>
<td>Cobalt</td>
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<td>Lead</td>
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### Depth Elevation:

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<td>694.5</td>
<td>Sand Brown</td>
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<tr>
<td>13.7</td>
<td>686.9</td>
<td>Sand Gray</td>
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<td>16.5</td>
<td>684.2</td>
<td>Sand Silty</td>
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<td>26.2</td>
<td>674.4</td>
<td>Clay &amp; Shale Soft</td>
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<tr>
<td>29.9</td>
<td>670.8</td>
<td>Sandstone</td>
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<tr>
<td>30.8</td>
<td>669.8</td>
<td>Shale Crumbly</td>
</tr>
<tr>
<td>32.9</td>
<td>667.7</td>
<td>Shale</td>
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</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

*Printed on 2/20/98*
**NW 23-051-26 W4M**

**Well Owner:** Elsie Biewald Farm  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 56.4 (m)  
- **NPWL (m):** 24.4  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 45.1  
- **Bottom (m):** 45.1  
- **OD (mm):** 141.2  
- **Thickness (mm):**
  - from (m): to

**Liner:**
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- **Material:** St  
- **OD (mm):** 12  
  - from (m): 45.1 to 46.6  
  - Size: 0.01
  - from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 12.2  
- **Rec'd (m):**  
- **Rec'd Rate (lpm):**

---

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 00899  
**Elevation (AMSL) (m):** 702  
**AEP:** 150966  
**Licence No.:** Easting: 84,171.48  
**Date Started:** 20 Mar 90  
**Northing:** 5,917,939.50  
**Date Completed:** 20 Mar 90

---

**Depth Elevation**
- **(BGL) (AMSL):**

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<td>Clay Silty Yellow</td>
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<td>39.6</td>
<td>662.7</td>
<td>Clay Soft Blue</td>
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<td>47.2</td>
<td>655.1</td>
<td>Sand</td>
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<td>54.9</td>
<td>647.5</td>
<td>Clay Yellow</td>
</tr>
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<td>56.4</td>
<td>645.9</td>
<td>Clay Blue</td>
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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 44.8 m
- **NPWL (m):** 26.8
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 43.0
- **Bottom (m):** 43.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:**
- **Linod:**
  - **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
- **Screen:**
  - **Material:** St
  - **OD (mm):** 1.2
  - **from (m):** 43.0
  - **to:** 44.2
  - **Size:** 0.01
- **Liner:**
  - **Type:**
  - **Thickness (mm):**
  - **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
- **Open Hole:**
  - **from (m):**
  - **to:**
- **Pump:**
  - **Model:**
  - **Intake (m):** 41.2
- **Testing:**
  - **Rate (lpm):** 27.4
  - **Time (minute):** 240.0
  - **Level End (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 27.4

### Laboratory:
- **COD**
- **SAR**
- **TDS**
- **TKN**
- **Nitrate**
- **Sodium**
- **Strontium**
- **Potassium**
- **Nitrile**
- **Magnesium**
- **Molybdenum**
- **Calcium**
- **Vanadum**
- **Magnesium**
- **TC**
- **Zinc**
- **DIC**
- **Hydroxide**
- **Bicarbonate**
- **Arsenic**
- **Barium**
- **Manganese**
- **Potassium**
- **Beryllium**
- **Phosphate**
- **Chloride**
- **Amm. Nitrogen**
- **Fluoride**
- **Iron**
- **TOC**
- **TOC**
- **Silica**
- **Lead**
- **Nitrate & Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 39.6 m  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbontate:**  
- **Bicarbonate:**  
- **Aluminun:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  

### Testing:
- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 42.7 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Strontium:**  
- **Sodium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Barium:**  
- **Beryllium:**  
- **Cadmium:**  
- **Cobalt:**  
- **Copper:**  
- **Lead:**  
- **Mercury:**  
- **Nickel:**  
- **Selenium:**  
- **Total Hardness:**  
- **Total Alkalinity:**  
- **Nitrate & Nitrite N:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Calcium:**  
- **Magnesium:**  
- **Chloride:**  
- **Fluoride:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Sodium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Barium:**  
- **Beryllium:**  
- **Cadmium:**  
- **Cobalt:**  
- **Copper:**  
- **Lead:**  
- **Mercury:**  
- **Nickel:**  
- **Selenium:**  
- **Total Hardness:**  
- **Total Alkalinity:**  
- **Nitrate & Nitrite N:**  
- **Amm. Nitrogen:**  

### Electric Log:
- **Transmissivity:** $m^2/day$
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **TOC:** AEP Data: Yes
- **Silica:** Well Field Verified: No
- **Laboratory:** Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
**NW 24-051-26 W4M**

**Well Owner:** Hansen, Janet  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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<thead>
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<th>00903</th>
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<td>Easting:</td>
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<td>Northing:</td>
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<td>Date Completed:</td>
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### General

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 76.2 m  
- **NPWL (m):** 7.6  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 42.1  
- **Bottom (m):** 42.1  
- ** OD (mm):** 141.2  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  

### Casing

- **Type:**  
- ** OD (mm):** 1.2  
- **Thickness (mm):**  
- **Top (m):** to  
- **Bottom (m):** to  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen

- **Material:** St  
- **OD (mm):** 42.1 to 43.6  
- **Size:** 0.01  
- **Thickness (mm):**  
- **Top (m):** to  
- **Bottom (m):** to  

### Open Hole

- **from (m):** to  

### Pump

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 6.8  
- **Time (minute):** 420.0  
- **Level End (m):** 35.0  
- **Drawdown (m):** 27.4  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

### Laboratory

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<td>Total Phosphate</td>
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<td>Copper</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite</td>
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### Electric Log

- **Transmissivity:** m²/day  
- **Gamma Log:**  
- **Aquifer Test:** No  
- **AEP Data:** Yes  
- **Database:** Project: 1.000H  
- **Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**General:**

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<th>Kulay, Ross</th>
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<td>Unknown Driller</td>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>Seal Type:</td>
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<td>from (m):</td>
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<tr>
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<table>
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<tr>
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<tbody>
<tr>
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</tr>
<tr>
<td>Intake (m):</td>
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<tr>
<td>Rate (lpm):</td>
</tr>
<tr>
<td>Level End (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
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Lab Test:

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<tbody>
<tr>
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<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
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</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
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</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<td>Chloride</td>
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<td>Chromium</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
Well Number: 00905

Well Owner: Krysa, Clifford Well #1
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 697
AEP: 193957
Date Started: 
Easting: 84,596.82
Date Completed: 
Northing: 5,918,751.50

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic

Completed Depth (m)
NPWL (m):         Verified NPWL (m):  

Abandonment:

Casing:
Type:  
Depth (m):    Bottom (m):  
OD (mm):    Thickness (mm):  
Seal Type:  
from (m):    to  

Liner:
Type:  
OD (mm):    Thickness (mm):  
Top (m):    Bottom (m):  

Perforated How:
from (m):    to    Size:  
from (m):    to    Size:  
from (m):    to    Size:  

Screen:
Material:  
OD (mm):
from (m):    to    Size:  
from (m):    to    Size:  

Open Hole:
from (m):    to  

Pump:
Model:  
Intake (m):  

Testing:
Rate (lpm):  
Time (minute):  
Level End (m):  
Drawdown (m):  
Rec'd intake (m):  
Rec'd Rate (lpm):  

Laboratory:
pH (pH unit)  
Cond. (µS/cm)  
TDS  
Sodium  
Potassium  
Calcium  
Magnesium  
Carbonate  
Bicarbonate  
Aluminium  
Barium  
Sulphate  
Chloride  
Fluoride  
Iron  
TOC  
Silica  

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Completed Depth
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):

### Perforated How:
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
  - **OD (mm):** from (m): to **Size:**
  - **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic & Stock
- **Completed Depth:** 20.7 (m)
- **NPWL (m):** 4.6
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 20.7
- **Bottom (m):** 20.7
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 3.4 to 3.7

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

## Screen:
- **Material:** St
- **OD (mm):** 0.6
- **from (m):** 9.1 to 9.6
- **Size:** 0.02
- **from (m):**
- **Size:**

## Open Hole:
- **from (m):**
- **to:**

## Pump:
- **Model:**
- **Intake (m):** 19.2

## Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 19.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 18.2

## Laboratory:
- | Chemical Constituents | Unit |
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<td>Cond. (µS/cm)</td>
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<td>Constituents are in mg/l (ppm). Except as noted.</td>
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## Electric Log:
- **Transmissivity:** m²/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**
- **Database:** 1.000H

## AEP Data:
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**print on 2/20/98**
**NE 26-051-26 W4M**

**Well Owner:** Aubrey, David  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 699  
**AEP:** 161596

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**Abandonment:**

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<td>OD (mm):</td>
</tr>
<tr>
<td>from (m): to</td>
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**Open Hole:**

| from (m): to |

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**Testing:**

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<td>Drawdown (m):</td>
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<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

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<td>Silica:</td>
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<td>Nitrate&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

<table>
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<tr>
<th>Electric Log:</th>
<th>Transmissivity:</th>
<th>m³/day</th>
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**NE 26-051-26 W4M**

**Well Owner:** Cressman, Freda & Harold

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m): 699**

**AEP:** 159257

**Licence No.:**

**Easting:** 85,071.70

**Date Started:** 14 Mar 91

**Northing:** 5,918,933.50

**Date Completed:** 14 Mar 91

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.9 (m)
- **NPWL (m):** 20.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Benseal
- **from (m):** to 27.4

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** to 35.0
- **Size: 0.01**
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m): 35.0

**Testing:**

- **Rate (lpm):** 27.4
- **Time (minute):** 480.0
- **Level End (m):** 26.8
- **Drawdown (m):** 6.7
- **Rec’d intake (m):** Rec’d Rate (lpm): 27.4

**Laboratory:**

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
NE 26-051-26 W4M

Well Owner: Dauhsman, Carl
Drilling Contractor: Kc Drilling (Leduc)

Well Number 00910
Elevation (AMSL) (m): 698
AEP: 169179
Licence No.: Easting: 85,201.46
Date Started: Northing: 5,818,826.50
Date Completed: 04 Nov 85

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth 14.3 (m)
NPWL (m): 2.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 14.3 Bottom (m): 14.3
OD (mm): 609.6 Thickness (mm): 0.0
Seal Type: Puddled Clay
from (m): to 3.1

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Ga
OD (mm): 7.0
from (m): 5.8 to 6.1 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 12.8

Testing:
Rate (lpm): 8.0 Time (minute): 240.0
Level End (m): 14.3 Drawdown (m): 12.2
Rec'd intake (m): Rec'd Rate (lpm): 18.2

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NE 26-051-26 W4M**

**Well Owner:** Langhout, Stephen  
**Drilling Contractor:** Kc Drilling (Leduc)

**Elevation (AMSL) (m):** 699  
**AEP:** 158253  
**Licence No.:** Easting: 85316.68  
**Date Started:** 11 Sep 89  
**Northing:** 5316814.00  
**Date Completed:** 11 Sep 89

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic

### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 14.6  
- **Bottom (m):** 14.6  
- **OD (mm):** 635.0  
- **Thickness (mm):** 0.0  
- **Seal Type:** Puddled Clay

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**

### Screen:
- **Material:** Ga  
- **OD (mm):** 7.0  
- **from (m):** 7.9  
- **to:** 8.5  
- **Size:** 0.02

### Open Hole:
- **from (m):**

### Pump:
- **Model:**  
- **Intake (m):** 13.4

### Testing:
- **Rate (lpm):** 13.7  
- **Time (minute):** 420.0  
- **Level End (m):** 14.6  
- **Drawdown (m):** 12.2  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrates:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Result:**

### Project:
- **Database:** 1.00H

### AEP Data:
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
NE 26-051-26 W4M

Well Owner: Lesko, Andrew
Drilling Contractor: Kc Drilling (Leduc)

Well Number: 00912
Elevation (AMSL) (m): 698
AEP: 152072
Licence No.: Easting: 84,986.68
Date Started: 07 Jun 90
Northing: 5,918.850.00
Date Completed: 07 Jun 90

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth 14.9 (m)
NPWL (m): 2.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 14.9 Bottom (m): 14.9
OD (mm): 635.0 Thickness (mm): 0.2
Seal Type: Puddled Clay
from (m): 3.1 to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 7.0
from (m): 10.7 to 11.3 Size: 0.02
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 13.7

Testing:
Rate (lpm): 18.2 Time (minute): 180.0
Level End (m): 14.9 Drawdown (m): 12.5
Rec'd intake (m):
Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Flouride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### Well Information

**Well Number:** 00913  
**Well Owner:** Mistratz, Antoinette  
**Drilling Contractor:** Rodco Drilling  
**Elevation (AMSL) (m):** 696  
**AEP:** 195405  
**Licence No.:** Easting: 85,346.88  
**Date Started:** 08 Apr 92  
**Northing:** 5,919,081.50  
**Date Completed:** 11 Apr 92

#### General Information

**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 36.6 (m)  
**NPWL (m):** 5.5  
**Verified NPWL (m):**  
**Abandonment:**  
**Type:** Plastic  
**Depth:** 31.4 (m)  
**Bottom (m):** 31.4  
**OD (mm):** 127.0  
**Thickness (mm):** 0.1  
**Seal Type:** Bentonite Chips/Table  
**from (m):** 22.9  
**to:** 23.5

#### Lithologic Description

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#### Liner Information

**Type:**  
**OD (mm):**  
**Thickness (mm):**  
**Perforated How:**  
**from (m):**  
**to:**  
**Size:**

#### Screen Information

**Material:** St  
**OD (mm):** 1.5  
**from (m):** 31.4  
**to:** 32.9  
**Size:** 0.01  
**from (m):**  
**Size:**

#### Open Hole Information

**from (m):**  
**to:**

#### Pump Information

**Model:**  
**Intake (m):** 30.5

#### Testing Information

**Rate (lpm):** 13.7  
**Time (minute):** 720.0  
**Level End (m):**

#### Laboratory Information

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#### Remarks:  

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 00914

**Well Owner:** Newman, Duane

**Drilling Contractor:** Kc Drilling (Leduc)

<table>
<thead>
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<th>General:</th>
<th>Well Use: Domestic</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>Drilling Method: Bored</td>
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<tr>
<td>Completed Depth: <strong>14.6</strong> (m)</td>
<td>Well Use: Domestic</td>
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<tr>
<td>NPWL (m): 3.1</td>
<td>Abandonment:</td>
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</table>

**Casing:**

- Type: Galvanized Steel
- Depth (m): **14.6**
- Bottom (m): **14.6**
- OD (mm): **660.4**
- Thickness (mm): **0.0**
- Seal Type: Clay Cap
- from (m): to **3.1**

**Liner:**

- Type: Ga
- OD (mm): **7.0**
- from (m): **5.8** to **6.4**
- Size: **0.01**
- Top (m): Bottom (m): |

**Screen:**

- Material: Ga
- OD (mm): **7.0**
- from (m): **5.8** to **6.4**
- Size: **0.01**
- Top (m): Bottom (m): |

**Open Hole:**

- from (m): to

**Pump:**

- Model: Intake (m): **13.7**

**Testing:**

- Rate (lpm): **9.1**
- Time (minute): **180.0**
- Level End (m): **14.6**
- Drawdown (m): **11.6**
- Rec'd Rate (lpm): Rec'd intake (m): **22.8**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm), Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Database:** Project: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

*printed on 2/20/98*
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 17.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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<th>pH (pH unit)</th>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 00915**

- **Well Owner:** Slywka, Ronald William
- **Elevation (AMSL) (m):** 699
- **AEP:** 169511
- **Licence No.:**
- **Date Started:**
- **Date Completed:**
- **Easting:** 85,071.70
- **Northing:** 5,818,933.50
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) (m) (m) (m) Lithologic Description**

(No Lithologic Information Available)

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
SE 26-051-26 W4M

Well Owner: Lyons, A
Drilling Contractor: Caribou Drilling Ltd.

Elevation (AMSL) (m): 700
AEP: 274959
Licence No.: Easting: 85,005.56
Date Started: Northing: 5,818,351.50
Date Completed: 01 Oct 71

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth: 11.0 (m)
NPWL (m): 4.9
Verified NPWL (m):
Abandonment:

Casing:
Type: Concrete
Depth (m): 11.0
Bottom (m): 11.0
OD (mm): 609.6
Thickness (mm):
Seal Type: Gravel Pack

Liner:
Type: Concrete
OD (mm):
Top (m):
Perforated How:
from (m): to
from (m): to
from (m): to
from (m): to

Screen:
Material:
OD (mm):
from (m): to
from (m): to
from (m): to

Open Hole:
from (m): to

Pump:
Model:
Intake (m):
Rate (lpm): 13.7
Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
23 May 72
pH (pH unit): 7.30
Cond. (µS/cm) 700.0
TDS 689.0
Sodium Nitrate
Potassium Nitrate
Calcium 93.99
Magnesium 33.08
Carbonate DIC
Bicarbonate Arsenic
Aluminum Barium
Sulphate Beryllium
Chloride 2.84
Fluoride Chromium
Iron 0.30
TOC Copper
Silica Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**SE 26-051-26 W4M**

**Well Number:** 00917

**Well Owner:** Vallee, Andre

**Drilling Contractor:** Summer's Drilling Ltd.

**Elevation (AMSL) (m):** 703

**Licence No.:** Easting: 84,704.89

**Date Started:** 25 Jan 93

**Northing:** 5,918,502.50

**Date Completed:** 26 Jan 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 21.3 (m)
  - **NPWL (m):** 4.9
  - **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel
  - **Depth (m):** 21.3
  - **Bottom (m):** 21.3
  - **OD (mm):** 609.6
  - **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
  - **from (m):** to 3.1

#### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

#### Screen:
- **Material:** St
  - **OD (mm):** 7.3
  - **from (m):** 13.7 to 14.3
  - **Size:** 0.02
  - **from (m):**
  - **Size:**

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):** 21.3

#### Testing:
- **Rate (lpm):** 27.4
  - **Time (minute):** 120.0
- **Level End (m):** 18.3
  - **Drawdown (m):** 13.4
- **Rec'd Rate (lpm):** 27.4

### Laboratory:

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| Cobalt                | Me...
**Well Number:** 00918

**Well Owner:** Blume, Brad

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 700

**AEP:** 159054

**Licence No.:** Easting: 84,207.58

**Date Started:** 06 Sep 91

**Northing:** 5,918,360.50

**Date Completed:** 06 Sep 91

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 27.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 58.5
- **Bottom (m):** 58.5
- **OD (mm):** 127.0
- **Thickness (mm):** 0.2
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 58.5 to **60.0**
- **Size:** 0.01
- **from (m):** to **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):** 60.0

### Testing:

- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 16.6
- **Rec'd intake (m):** 48.8
- **Rec'd Rate (lpm):** 68.4

### Laboratory:

**pH (pH unit)**

- **COD**

**Cond. (µS/cm)**

- **SAR**
- **Sodium**
- **Nitrate**
- **Potassium**
- **Nitrite**
- **Calcium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **Barium**
- **Iron**
- **TOC**
- **Silica**

**Material:**

- **TC**
- **DIC**
- **Hydroxide**
- **Bicarbonate**
- **Arsenic**
- **Barium**
- **Manganese**
- **Sulphate**
- **Beryllium**
- **Chloride**
- **Cadmium**
- **Chromium**
- **Cobalt**
- **Copper**
- **Lead**

**Material:**

- **Metal**
- **Ion Balance**
- **Phosphate**
- **Sulphate**
- **Molybdenum**
- **Total Hardness**
- **Strontium**
- **Ammonium Nitrogen**
- **Total Phosphate**
- **Total Alkalinity**

**Material:**

- **Nitrate**
- **Vanadium**
- **Bicarbonate**
- **Chromium**
- **Cobalt**
- **Lead**
- **Fluoride**
- **Iron**
- **Kapton**
- **Nitrate Nitrite**
- **Sodium**

**Material:**

- **Molybdenum**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
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<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<td>(BGL) (AMSL) (m) (m)</td>
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<td>Verified NPWL (m):</td>
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<td>Abandonment:</td>
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| Casing: Type: | | |
| Depth (m): Bottom (m): | | |
| OD (mm): Thickness (mm): | | |
| Seal Type: | | |
| from (m): to | | |

| Liner: Type: | | |
| OD (mm): Thickness (mm): | | |
| Top (m): Bottom (m): | | |
| Perforated How: from (m): to Size: | | |
| from (m): to Size: | | |
| from (m): to Size: | | |

| Screen: Material: | | |
| OD (mm): | | |
| from (m): to Size: | | |
| from (m): to Size: | | |
| Open Hole: from (m): to | | |

| Pump: Model: | Intake (m): |
| Rate (lpm): | Time (minute): |
| Level End (m): Drawdown (m): |
| Rec’d intake (m): Rec’d Rate (lpm): |

| Laboratory: | Electric Log: No |
| pH (pH unit): COD Mercury | Transmissivity: m³/day |
| Cond. (µS/cm): SAR Nickel | Gamma Log: No | Storativity: |
| TDS: TKN Selenium | Aquifer Test: No | |
| Sodium: Nitrate Strontium | Project: Database: 1.000H |
| Potassium: Nitrile Molybdenum | AEP Data: Yes | Well Field Verified: No |
| Calcium: TN Vanadium | | |
| Magnesium: TC Zinc | | |
| Carbonate: DIC Hydroxide | | |
| Bicarbonate: Arsenic Total Hardness | | |
| Aluminum: Barium Manganese | | |
| Sulphate: Beryllium Phosphate | | |
| Chloride: Cadmium Ion Balance | | |
| Fluoride: Chromium Amm. Nitrogen | | |
| Iron: Cobalt Total Phosphate | | |
| TOC: Copper Total Alkalinity | | |
| Silica: Lead Nitrate & Nitrite N | | |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 m
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 61.3
- **Bottom (m):** 61.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tablet
- **from (m):** 37.8
- **to:**

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 61.3
- **to:** 62.8
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Type:** Sub
- **Model:**
- **Intake (m):** 45.7
- **Testing:**
- **Rate (lpm):** 54.7
- **Time (minute):** 420.0
- **Level End (m):** 33.2
- **Drawdown (m):** 2.7
- **Rec'd intake (m):** 48.2
- **Rec'd Rate (lpm):** 36.5

#### Laboratory:
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<tr>
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</tr>
<tr>
<td>Nitrate &amp; Nitrite</td>
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<td></td>
</tr>
</tbody>
</table>

#### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 00920

**Well Owner:** Frahlich, Joseph

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 700

**AEP:** 151981

**Licence No.:**

**Date Started:** 27 Nov 89

**Date Completed:** 28 Nov 89

**Easting:** 84,207.58

**Northing:** 5,918,360.50

**Electric Log: No**

**Transmissivity:** m³/day

**Gamma Log: No**

**Storativity:**

**Aquifer Test: No**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Printed on:** 2/20/98
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 21.3 (m)

- **NPWL (m):**
- **Verified NPWL (m):**

- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<tr>
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**Database:**

- **AEP Data:** Yes
- **Well Field Verified:** No
- **Project:** 1.000H
- **Aquifer Test:** No
- **Gamma Log:** No
- **Storativity:**
- **Transmissivity:** m³/day
- **Electric Log:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):** 22.6
- **Verified NPWL:**
- **Abandonment:**

## Casing:

- **Type:** Plastic
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 42.7

## Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

## Screen:

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 47.2 to **48.8**
- **Size:** 0.01
- **from (m):** to **Size:**

## Open Hole:

- **from (m):** to **Size:**

## Pump:

- **Model:**
- **Intake (m):** 44.2

## Testing:

- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 42.4
- **Drawdown (m):** 19.8
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):** 45.6

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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</table>

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 53.3 m
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth:** 50.6 m
- **Bottom (m):** 50.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl

#### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
  - **Perforated How:**
    - **from (m):**
    - **to:**
    - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 50.6
- **to:** 52.1
- **Size:** 0.01
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Model:**
- **Intake (m):** 52.1

#### Testing:
- **Rate (lpm):** 182.4
- **Time (minute):** 180.0
- **Level End (m):** 29.0
- **Drawdown (m):** 6.1
- **Rec'd intake (m):** 33.5
- **Rec'd Rate (lpm):** 45.6

### Laboratory:

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<tr>
<td>Silica</td>
<td>Lead</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 54.9 (m)
NPWL (m): Verified NPWL (m):
Abandonment:
Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m): to
Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model:
Intake (m):
Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):
Laboratory:
pH (pH unit):
COD
SAR
TDS
TKN
Sodium
Nitrate
Strontium
Potassium
Nitrite
Molybdenum
Calcium
TN
Vanadium
Magnesium
TC
Zinc
Carbonate
DIC
Hydroxide
Bicarbonate
Arsenic
Total Hardness
Aluminium
Barium
Manganese
Sulphate
Beryllium
Phosphate
Chloride
Cadmium
Ion Balance
Fluoride
Chromium
Amm. Nitrogen
Iron
Cobalt
Total Phosphate
TOC
Copper
Total Alkalinity
Silica
Lead
Nitrate&Nitrite
Minute
Chemical Constituents are in mg/l (ppm). Except as noted.
Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Number 00924
Well Owner: Price, Dan
Drilling Contractor: Unknown Driller
Elevation (AMSL) (m): 700
Licence No.: 169100
Easting: 84,207.58
Date Started: Northing: 5,918,360.50
Date Completed:

Depth Elevation
(BGL) (AMSL)
(m) (m)
Lithologic Description

(No Lithologic Information Available)
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 29.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 48.2
- **Bottom (m):** 48.2
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
- **from (m):** 47.6
- **to:** 48.2

**Liner:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** Size:
- **Open Hole:** Size:

**Screen:**
- **Material:** St
- **OD (mm):** 0.6
- **from (m):** 48.8
- **to:** 51.8
- **Size:** 0.02

**Perforated How:** Size:
- **Screen:** Size:
- **Open Hole:** Size:

**Pump:**
- **Model:** Intake (m):
- **Rec'd intake (m):** Rec'd Rate (lpm): 36.5

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Ascorbic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Lab:** Mercury

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL):**
- **Lithologic Description:**
  - 26.8 672.8 Sand Very Fine Grained Brown
  - 47.6 652.1 Till & Clay Gray
  - 51.8 647.8 Sandstone Soft Gray

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 27-051-26 W4M**

**Well Owner:** Carpenter, Brian

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 699  
**AEP:** 206631  
**License No.:**  
**Date Started:** 29 May 79  
**Date Completed:** 29 May 79

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 88.1 (m)  
**NPWL (m):** 13.7  
**Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 46.2  
    **Bottom (m):** 48.2  
  - **OD (mm):** 141.2  
    **Thickness (mm):** 0.1  
    **Seal Type:** Formation Seal  
    **from (m):** to 48.2
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3  
    **Thickness (mm):** 0.1  
  - **Top (m):** 46.6  
    **Bottom (m):** 87.2  
  - **Perforated How:** Saw  
    **from (m):** to 87.2  
    **Size:**
    **from (m):** to  
    **Size:**
    **from (m):** to  
    **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    **from (m):** to  
    **Size:**
    **from (m):** to  
    **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Rate (lpm):** 22.8  
  - **Time (minute):** 420.0  
  **Level End (m):** 39.6  
  **Drawdown (m):** 25.9  
  **Rec’d Rate (lpm):**
  **Rec’d intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation (BGL) (AMSL) (m) Lithologic Description

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<th>(m)</th>
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### Testing:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 27-051-26 W4M**

**Well Owner:** Jerke-Mceachern, Helen

**Drilling Contractor:** Unknown Driller

---

**Well Number:** 00927

**Elevation (AMSL) (m):** 701

**AEP:** 166265

**Licence No.:**

**Date Started:**

**Northing:** 5,818,353.00

**Date Completed:**

---

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to**
- **Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to**
- **from (m):**
- **to**
- **from (m):**
- **to**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to**
- **from (m):**
- **to**
- **from (m):**
- **to**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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### Depth Elevation
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<th>AMSL (m)</th>
<th>Lithologic Description</th>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**Well Number 00928**

**Well Owner:** Lussier, Robin  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 699  
**AEP:** 167567  
**Date Started:**  
**Date Completed:**

**Licence No.:** Easting: 82,544.61  
**Northing:** 5,916,211.50

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

**Completed Depth:** 54.9 (m)  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **Open Hole:** from (m): to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate Arsenic Total Hardness:**  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

*printed on 2/20/98*
**SE 28-051-26 W4M**

**Well Number: 00929**

- **Well Owner:** Guenther, J.
- **Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m): 699**
- **AEP:** 153959
- **Date Started:** 05 Nov 90
- **Date Completed:** 07 Nov 90

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Plastic
- **Depth (m):** 59.4
- **Bottom (m):** 59.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

### Sealing:
- **Type:** Shale Trap & Bentonite
- **from (m):** to 58.8

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 82.3

### Perforated Details:
- **Perforated How:** Machine
- **from (m):** to 79.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump: Sub
- **Model:** Gould
- **Intake (m):** 63.4

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 570.0
- **Level End (m):** 61.0
- **Drawdown (m):** 39.6
- **Rec’d Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

### Depth Elevation (BGL) (AMSL)

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<th>Elevation (m)</th>
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### Electric Log: No
- **Transmissivity:** m²/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project: Database: 1.000H**
- **AEP Data: Yes**
- **Database Verified: No**

---

*printed on 2/20/98*
**Well Number: 00930**

**SE 28-051-26 W4M**

<table>
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<th>Well Owner: Klaassen, L.</th>
<th>Drilling Contractor: Bar-K Water Well Drilling Ltd.</th>
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**Elevation (AMSL) (m):** 699  
**AEP:** 153835  
**Licence No.:** Easting: 81,823.96  
**Date Started:** 17 Aug 90  
**Northing:** 5,918,071.63  
**Date Completed:** 21 Aug 90

### General:
- **Type of Work:** Test Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Unknown  
- **Completed Depth:** 109.7 (m)  
- **NPWL (m):** 32.0  
- **Abandonment:** Bentonite Product

### Casing:
- **Type:** Plastic  
- **Depth (m):** 39.0  
- **Bottom (m):** 39.0  
- **OD (mm):** 152.4  
- **Seal Type:** Shale Trap  
- **Thickness (mm):** 0.1  
- **Bottom (m):** 38.7

### Liner:
- **Type:** Shale Trap  
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **Size:**
- **from (m):**
- **to (m):**

### Screen:
- **Material:**
- **OD (mm):**
- **Bottom (m):**
- **Bottom (m):**
- **Size:**
- **from (m):**
- **to (m):**

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 4.6
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Testing:
- **Rate (lpm):** 4.6
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**  
- **Transmissivity:** m²/day

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

---

**Depth Elevation**

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**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Number 00931

Well Owner: Egilson, Craig
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 698
AEP: 163537
Easting: 79,770.08
Northing: 5,917,991.00
Date Started: 
Date Completed: 

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth 11.6 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
Well Number 00932

---29-051-26 W4M

Well Owner: **Lavoie, Maurice**
Drilling Contractor: **Unknown Driller**

Elevation (AMSL) (m): **699**
AEP: **168088**
Licence No.: **79,704.29**
Date Started: **5,918,607.00**
Date Completed: **No**

**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 45.7 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Depth (m):
- OD (mm):
- Seal Type: from (m): to
- Thickness (mm):
- Bottom (m):

**Liner:**
- Type: OD (mm):
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: OD (mm):
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**

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<td>-</td>
</tr>
<tr>
<td>Total Phosphate</td>
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<td>-</td>
</tr>
<tr>
<td>Total Alkalinity</td>
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<td>-</td>
</tr>
<tr>
<td>Nitrate</td>
<td>Nitrite &amp; Nitrite N</td>
<td>-</td>
</tr>
</tbody>
</table>

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*

(printed on 2/20/98)
Well Owner: Brintnell, Bob
Drilling Contractor: Summer's Drilling Ltd.

General:
- Type of Work: New Well
- Drilling Method: Bored
- Well Use: Domestic
- Completed Depth: 21.0 (m)
- NPWL (m): 4.0
- Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 21.0
- Bottom (m): 21.0
- OD (mm): 609.6
- Thickness (mm): 0.0
- Seal Type:
  - from (m): to

Liner:
- Type:
  - OD (mm):
    - Thickness (mm):
  - Top (m):
    - Bottom (m):
- Perforated How:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

Screen:
- Material: St
- OD (mm): 7.3
- from (m): 7.0
  - to 7.6
    - Size: 0.02
- from (m): to

Open Hole:
- from (m): to

Pump:
- Model: Sub
- Intake (m):
- Rate (lpm): 456.1
- Time (minute): 120.0
- Level End (m): 19.8
- Drawdown (m): 15.9
- Rec'd intake (m): 18.9
- Rec'd Rate (lpm): 13.7

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminum:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- silica:
- COD:
- SAR:
- K:
- Ni:
- S:
- Se:
- NO3:
- NO2:
- PO4:
- Mo:
- F:
- Cu:
- Zn:
- Ba:
- Mn:
- Be:
- P:
- S:
- Ca:
- Mg:
- Zn:
- Mn:
- Al:
- Si:
- Fe:
- CO3:
- HCO3:
- Ar:
- Br:
- Cl:
- NO3:
- N:
- CO3:
- HCO3:
- Overall:
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- Project: 1000H
- AEP Data: Yes
- Well Field Verified: No

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NW 29-051-26 W4M**

**Well Owner:** Peters, Ed  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Well Number:** 00934  
**Elevation (AMSL) (m):** 698  
**AEP:** 152675  
**Licence No.:** Easting: 79,368.88  
**Date Started:** 15 Aug 90  
**Northing:** 5,916,845.50  
**Date Completed:** 17 Aug 90

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 42.7 (m)  
- **NPWL (m):** 14.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casting:

- **Type:** Plastic  
- **Depth (m):** 37.2  
- **Bottom (m):** 37.2  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 24.4

### Liner:

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** Machine  
- **from (m):** 30.5 to 36.6  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **Open Hole:**  
- **from (m):**  

### Pump:

- **Model:**  
- **Intake (m):** 36.9

### Testing:

- **Rate (lpm):** 6.8  
- **Time (minute):** 420.0  
- **Level End (m):** 29.3  
- **Drawdown (m):** 14.9  
- **Rec'd intake (m):** 3.7  
- **Rec'd Rate (lpm):** 4.6

### Laboratory:

```
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```

### Electric Log:

- **Yes**  
- **Transmissivity:** m³/day

### Gamma Log:

- **No**  
- **Storativity:**

### Aquifer Test:

- **No**  
- **Project:** Database: 1.000H

### Laboratory:

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

- **Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 00935  
**Well Owner:** Sherren, A.W.  
**Drilling Contractor:** Kap’S Drilling Ltd.  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 121.9 m  
- **NPWL (m):** 45.7  
- **Elevation (AMSL) (m):** 699  
- **Licence No.:** Easting: 79,705.70  
- **Date Started:** 13 Sep 83  
- **Date Completed:** 22 Sep 83

### Casing:
- **Type:**  
  - **Depth:**  
    - **(m):**  
    - **Bottom (m):**  
- **OD (mm):**  
  - **Top (m):**  
  - **Bottom (m):** 88.7  
- **Seal Type:** Driven  
- **Liner:**  
  - **Type:**  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Top (m):**  
  - **Bottom (m):**  
- **Perforated How:**  
  - **from (m):** 60.4 to 88.7  
  - **Size:**  
  - **Thickness (mm):**  
- **Screen:**  
  - **Material:**  
  - **OD (mm):**  
  - **Size:**  
  - **Thickness (mm):**  
- **Open Hole:**  
  - **from (m):**  
- **Pump:**  
  - **Model:**  
  - **Intake (m):** 54.9  
- **Testing:**  
  - **Rate (lpm):** 3.4  
  - **Time (minute):** 120.0  
  - **Level End (m):**  
  - **Drawdown (m):**  
  - **Rec’d int (m):**  
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
  - **Material:**  
  - **OD (mm):**  
  - **Size:**  
  - **Thickness (mm):**  
  - **Total Hardness:**  
  - **Molybdenum:**  
  - **Selenium:**  
  - **Nitrate:**  
  - **Strontium:**  
  - **Sodium:**  
  - **Nitrite:**  
  - **Sulfate:**  
  - **Total Phosphate:**  
  - **Lead:**  
  - **Magnesium:**  
  - **Zinc:**  
  - **Barium:**  
  - **Manganese:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL) (m):**

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<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Sand Fine Grained Brown</td>
<td>1.5</td>
<td>697.5</td>
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<tr>
<td>Clay &amp; Sand Fine Grained Blue</td>
<td>2.7</td>
<td>696.3</td>
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<td>Sand Fine Grained Gray</td>
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<td>Shale</td>
<td>121.9</td>
<td>577.1</td>
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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H  
**Project:**

**AEP Data:** Yes  
**Well Field Verified:** No
SE 29-051-26 W4M

Well Owner: Widrick, Kim
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 703
Licence No.: 00936
Date Started: 80,184.92
Date Completed: 5918,281.00

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth 10.7 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminum
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
Nitrate
Nitrile
Barium
Selenium
Cadmium
Cadmium
Chromium
Cobalt
Copper
Lead
Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 00938**

**Well Owner:** Stadnyk, Nick  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<th>General:</th>
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<td>Type of Work: New Well</td>
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<td>(m) (m)</td>
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<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
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<td>Completed Depth 59.7 (m)</td>
<td>0.9 700.9 Clay Sandy Yellow</td>
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<td>4.9 696.9 Sand Yellow</td>
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<td>Type: Plastic</td>
<td>26.2 675.6 Sand</td>
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<td>Depth (m): 24.7</td>
<td>45.1 656.7 Clay Blue</td>
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<td>57.6 644.2 Shale Gray</td>
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<td>Bottom (m):</td>
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<tr>
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<td>to 26.2</td>
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<td>Level End (m): 21.3</td>
<td><strong>Drawdown (m):</strong> 17.1</td>
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<tr>
<td>Rec'd intake (m):</td>
<td><strong>Rec'd Rate (lpm):</strong> 22.8</td>
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**Laboratory:**

| pH (pH unit) | COD Mercury |
| Cond. (µS/cm) | SAR Nickel |
| TDS | TKN Selenium |
| Sodium | Nitrate Strontium |
| Potassium | Nitrite Molybdenum |
| Calcium | TN Vanadium |
| Magnesium | TC Zinc |
| Carbonate | DIC Hydroxide |
| Bicarbonate | Arsenic Total Hardness |
| Aluminium | Barium Manganese |
| Sulphate | Beryllium Phosphate |
| Chloride | Cadmium Iron Balance |
| Fluoride | Chromium Amm. Nitrogen |
| Iron | Cobalt Total Phosphate |
| TOC | Copper Total Alkalinity |
| Silica | Lead Nitrate&Nitrite N |

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
### NE 30-051-26 W4M

**Well Number:** 00939

**Well Owner:** Ali, Wahab

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Printing on:** 2/20/98

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| Abandonment: |

**Casing:**

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<td>Thickness (mm):</td>
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<td>from (m): to</td>
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**Liner:**

<table>
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<td>Thickness (mm):</td>
<td>0.1</td>
</tr>
<tr>
<td>Top (m):</td>
<td>13.4</td>
</tr>
<tr>
<td>Bottom (m):</td>
<td>98.8</td>
</tr>
<tr>
<td>Perforated How:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>98.8</td>
</tr>
<tr>
<td>Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
</tbody>
</table>

**Screen:**

| Material: |
| OD (mm): |
| from (m): to | Size: |
| from (m): to | Size: |

**Open Hole:**

| from (m): to |

**Pump:** Goulds, 5g05412

**Model:** Ser. # K26791

**Intake (m):** 82.3

**Testing:**

| Rate (lpm): | 11.4 |
| Time (minute): | 120.0 |
| Level End (m): | 82.3 |
| Drawdown (m): | 67.4 |
| Rec’d intake (m): | 85.3 |
| Rec’d Rate (lpm): | 9.1 |

| Laboratory: |

| pH (pH unit): |
| Cond. (µS/cm): |
| COD: |
| SAR: |
| Nicke: |
| TDS: |
| TKN: |
| Selenium: |
| Sodium: |
| Nitrate: |
| Strontium: |
| Potassium: |
| Nitrite: |
| Molybdenum: |
| Calcium: |
| TN: |
| Vanadium: |
| Magnesium: |
| TC: |
| Zinc: |
| Carbonate: |
| DIC: |
| Hydroxide: |
| Bicarbonate: |
| Arsenic: |
| Total Hardness: |
| Aluminium: |
| Barium: |
| Manganese: |
| Sulphate: |
| Beryllium: |
| Phosphate: |
| Chloride: |
| Cadmium: |
| Ion Balance: |
| Fluoride: |
| Chromium: |
| Amm. Nitrogen: |
| Iron: |
| Cobalt: |
| Total Phosphate: |
| TOC: |
| Copper: |
| Total Alkalinity: |
| Silicon: |
| Lead: |
| Nitrate&Nitrite N: |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: |
| Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(m)</td>
</tr>
<tr>
<td>5.2</td>
</tr>
<tr>
<td>20.1</td>
</tr>
<tr>
<td>22.3</td>
</tr>
<tr>
<td>26.5</td>
</tr>
<tr>
<td>31.7</td>
</tr>
<tr>
<td>35.4</td>
</tr>
<tr>
<td>38.7</td>
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<tr>
<td>41.5</td>
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<tr>
<td>46.0</td>
</tr>
<tr>
<td>48.8</td>
</tr>
<tr>
<td>50.0</td>
</tr>
<tr>
<td>52.7</td>
</tr>
<tr>
<td>54.6</td>
</tr>
<tr>
<td>64.0</td>
</tr>
<tr>
<td>82.3</td>
</tr>
<tr>
<td>100.6</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 30-051-26 W4M**

**Well Owner:** Fabra-Wall Ltd  
**Drilling Contractor:** Summer'S Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: <strong>Bored</strong></td>
<td>10.4</td>
<td>692.1</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td>18.3</td>
<td>684.2</td>
</tr>
<tr>
<td>Completed Depth: 21.3 (m)</td>
<td>21.3</td>
<td>681.2</td>
</tr>
<tr>
<td>NPWL (m): 5.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Galvanized Steel</td>
<td></td>
</tr>
<tr>
<td>Depth (m): 21.3</td>
<td>Bottom (m): 21.3</td>
</tr>
<tr>
<td>OD (mm): 609.6</td>
<td>Thickness (mm): 0.0</td>
</tr>
<tr>
<td>Seal Type: Bentonite Chips/Tablet</td>
<td></td>
</tr>
<tr>
<td>from (m): 4.3 to 4.9</td>
<td></td>
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<table>
<thead>
<tr>
<th>Liner:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Screen:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Material: St</td>
<td></td>
</tr>
<tr>
<td>OD (mm): 7.3</td>
<td></td>
</tr>
<tr>
<td>from (m): 9.4 to 10.1</td>
<td>Size: 0.02</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Open Hole:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
</tr>
<tr>
<td>Testing:</td>
<td></td>
</tr>
<tr>
<td>Rate (lpm): 18.2</td>
<td>Time (minute): 180.0</td>
</tr>
<tr>
<td>Level End (m): 20.1</td>
<td>Drawdown (m): 14.3</td>
</tr>
<tr>
<td>Rec'd intake (m): 19.8</td>
<td>Rec'd Rate (lpm): 13.7</td>
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<table>
<thead>
<tr>
<th>Laboratory:</th>
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<tbody>
<tr>
<td>pH (pH unit):</td>
<td>COD Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td>Gamma Log: No</td>
<td>Storativity:</td>
</tr>
<tr>
<td></td>
<td>Aquifer Test: No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Project: Database: 1.000H</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

Water Well Positioned by PFRA in 10TM NAD 27
**SE 30-051-26 W4M**

**Well Owner:** Assaly, Diane  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Depth Elevation**  
<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay Yellow</td>
<td>10.7</td>
<td>689.7</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>27.1</td>
<td>673.3</td>
</tr>
<tr>
<td>Sand &amp; Gravel</td>
<td>30.2</td>
<td>670.2</td>
</tr>
<tr>
<td>Clay &amp; Shale Blue</td>
<td>31.4</td>
<td>669.0</td>
</tr>
</tbody>
</table>

**General:**  
- **Type of Work:** Dry Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 31.4 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:** Cuttings 09 Sep 91

**Casing:**  
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to

**Liner:**  
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

**Screen:**  
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:

**Open Hole:**  
- **from (m):** to

**Pump:**  
- **Model:**  
- **Intake (m):**

**Testing:**  
- **Rate (lpm):** Time (minute): 360.0  
- **Level End (m):** Drawdown (m):  
- **Rec’D intake (m):** Rec’D Rate (lpm):

**Laboratory:**  
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
- Water Well Positioned by Mow-Tech in 10TM NAD 27
### Well Information

**Well Number:** 00942

**Well Owner:** Assaly, Dianne

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 700

AEP: 162187

**Licence No.:**

**Easting:** 78,563.42

**Northing:** 5,916,036.21

**Date Started:** 12 Sep 91

**Date Completed:** 12 Sep 91

---

### Depth Elevation

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay Yellow</td>
<td>10.7</td>
<td>689.7</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>27.1</td>
<td>673.3</td>
</tr>
<tr>
<td>Gravel</td>
<td>30.2</td>
<td>670.2</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>31.4</td>
<td>669.0</td>
</tr>
<tr>
<td>Shale Green</td>
<td>35.0</td>
<td>665.3</td>
</tr>
<tr>
<td>Sandstone</td>
<td>38.4</td>
<td>662.0</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>47.2</td>
<td>653.2</td>
</tr>
<tr>
<td>Shale Sandy Gray</td>
<td>49.7</td>
<td>650.7</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>50.6</td>
<td>649.8</td>
</tr>
<tr>
<td>Coal</td>
<td>57.3</td>
<td>643.1</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>58.2</td>
<td>642.2</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>61.6</td>
<td>638.8</td>
</tr>
<tr>
<td>Shale Sandy Gray</td>
<td>64.0</td>
<td>636.4</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>68.6</td>
<td>631.8</td>
</tr>
<tr>
<td>Sandstone</td>
<td>69.2</td>
<td>631.2</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>76.2</td>
<td>624.2</td>
</tr>
<tr>
<td>Shale Sandy Gray</td>
<td>78.7</td>
<td>613.2</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>88.7</td>
<td>611.7</td>
</tr>
<tr>
<td>Shale Sandy Gray</td>
<td>90.8</td>
<td>609.6</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>96.0</td>
<td>604.4</td>
</tr>
</tbody>
</table>

---

### Laboratory Analysis

- **pH:** (pH unit)
- **COD:** Chemical Constituents are in mg/l (ppm). Except as noted.
- **SAR:** Manganese
- **Nitrate:** Molybdenum
- **Selenium:** Vanadium
- **Nitrite:** Zinc
- **Strontium:** Hydroxide
- **Molybdenum:** Total Hardness
- **Barium:** Total Phosphate
- **Chromium:** Total Alkalinity
- **Nickel:** Lead
- **Vanadium:** Nitrate & Nitrite
- **Cobalt:** Total Phosphate
- **Total Phosphate:** Total Alkalinity
- **Lead:** Lead
- **Total Hardness:** Lead
- **Amm. Nitrogen:** Lead
- **Total Phosphate:** Lead
- **Manganese:** Lead
- **Sulphate:** Lead
- **Chloride:** Lead
- **Fluoride:** Lead
- **Iron:** Lead
- **TOC:** Lead
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

### Remarks

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
Well Number 00943

SE 30-051-26 W4M

Well Owner: Rockel, Harvey
Drilling Contractor: Kc Drilling (Leduc)

Elevation (AMSL) (m): 701
AEP: 159130
Licence No.: Easting: 78,476.47
Date Started: 04 Oct 91
Northing: 5,818,291.00
Date Completed: 04 Oct 91

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth 11.9 (m)
NPWL (m): 3.7 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 11.9 Bottom (m): 11.9
OD (mm): 635.0 Thickness (mm): 0.0
Seal Type: Puddled Clay
from (m): to 3.1

Liner:

Screen:
Material: St
OD (mm): 7.0
from (m): 6.7 to 7.0 Size: 0.02
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 11.3

Testing:
Rate (lpm): 16.0 Time (minute): 480.0
Level End (m): 11.9 Drawdown (m): 8.2
Rec'd intake (m): Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 31-051-26 W4M**

**Well Owner:** Dent, Gwen  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 701  
**Licence No.:** Easting: 78,530.79  
**Date Started:** Northing: 5,920,890.50  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 10.1 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Open Hole:** Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:

### Aquifer Test:
- **AEP Data:** Yes Well Field Verified: No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 31-051-26 W4M**

Well Number: **00945**

Well Owner: **Eismann, Fred**

Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

<table>
<thead>
<tr>
<th>Well Number: 00945</th>
<th>Elevation (AMSL) (m): <strong>701</strong></th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>AEP: <strong>162186</strong></td>
</tr>
<tr>
<td>Date Started:</td>
<td>Easting: <strong>78,530.79</strong></td>
</tr>
<tr>
<td>Date Completed:</td>
<td>Northing: <strong>5,920,890.50</strong></td>
</tr>
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</table>

**General:**

<table>
<thead>
<tr>
<th>Type of Work: New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method: Rotary</td>
</tr>
<tr>
<td>Well Use: Domestic &amp; Stock</td>
</tr>
<tr>
<td>Completed Depth 51.8 (m)</td>
</tr>
<tr>
<td>NPWL (m): 21.3</td>
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<tr>
<td>Abandonment:</td>
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**Casing:**

<table>
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<tr>
<th>Type: Plastic</th>
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<tbody>
<tr>
<td>Depth (m): 48.8</td>
</tr>
<tr>
<td>OD (mm): 141.2</td>
</tr>
<tr>
<td>Seal Type: from (m): to</td>
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**Liner:**

<table>
<thead>
<tr>
<th>Type:</th>
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</thead>
<tbody>
<tr>
<td>OD (mm): 0.9</td>
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<tr>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>Top (m): Bottom (m):</td>
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**Screen:**

<table>
<thead>
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<th>Material: St</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm): 48.8 to 50.0</td>
</tr>
<tr>
<td>Thickness (mm): 0.01</td>
</tr>
<tr>
<td>from (m): to</td>
</tr>
</tbody>
</table>

**Open Hole:**

| from (m): to |

**Pump:**

| Model: |
| Intake (m): |

**Testing:**

| Rate (lpm): 31.9 |
| Time (minute): 420.0 |
| Level End (m): 27.4 |
| Drawdown (m): 6.1 |
| Rec'd intake (m): |
| Rec'd Rate (lpm): 31.9 |

**Depth Elevation (BGL) (AMSL)**

<table>
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<tr>
<td>10.7 690.4 Sand</td>
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<tr>
<td>36.6 664.5 Clay Soft Blue</td>
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<td>41.2 659.9 Clay Hard Blue</td>
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<td>50.3 650.8 Sand</td>
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<td>51.8 649.2 Clay Blue</td>
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**Laboratory:**

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<td>Lead</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Number: 00946

Well Owner: Mclean, Scott
Drilling Contractor: Summer's Drilling Ltd.

Elevation (AMSL) (m): 702
Licence No.: AEP: 151982
Date Started: 07 Sep 89
Easting: 77,787.92
Date Completed: 08 Sep 89
Northing: 5,919,799.50

General:
- Type of Work: New Well
- Drilling Method: Bored
- Well Use: Domestic
- Completed Depth: 21.9 (m)
- NPWL (m): 3.7
- Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 21.9
- Bottom (m): 21.9
- OD (mm): 609.6
- Thickness (mm): 0.2
- Seal Type: Puddled Clay
- from (m): to 3.1

Liner:
- Type:
- OD (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material: St
- OD (mm): 7.3
- from (m): 14.3 to 14.9
- Size: 0.01
- from (m):
- to Size:

Open Hole:
- from (m): to

Pump: Sub
- Model:
- Intake (m): 20.7

Testing:
- Rate (lpm): 45.6
- Time (minute): 120.0
- Level End (m): 18.3
- Drawdown (m): 14.6
- Rec'd intake (m): 20.7
- Rec'd Rate (lpm): 9.1

Laboratory:
- pH (pH unit):
- COD
- Mercury
- SAR
- Nickel
- TDS
- TKN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminium
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate & Nitrite

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
AEP Data: Yes
Database: 1.000H

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.3 m
- **NPWL (m):** 9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 42.7

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **from (m):** to
- **from (m):** to

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 48.8 to 50.3
- **Size:** 0.02
- **from (m):** to
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Type:** Sub
- **Model:**
- **Intake (m):** 45.7

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 44.8
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 12.8 m
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 12.8
- **Bottom (m):** 12.8
- **OD (mm):** 635.0
- **Thickness (mm):** 3.7
- **Seal Type:** Other
- **Thickness (mm):** 0.0

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** Ga
- **OD (mm):** 7.0
- **from (m):** to 7.0
- **Size:** 0.02
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Open Hole:**
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 182.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 7.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Verified:** Yes
- **Well Field Verified:** No

---

**Printed on:** 2/20/98
**Well Number:** 00949  
**Well Owner:** Hamm, Bert  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 51.8 m  
- **Elevation (AMSL):** 705  
- **Licence No.:** Easting: 79,324.45  
- **Date Started:** 08 May 90  
- **Drilling Contractor:** Northing: 5,819,837.50
- **Date Completed:** 09 May 90

### Casing:
- **Type:** Plastic  
- **Depth (m):** 45.4  
- **Bottom (m):** 45.4  
- **OD (mm):** 141.2  
- **Thickness (mm):**  
- **Seal Type:** to

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** from (m): to

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Size:** from (m): to  
- **Size:** from (m): to  
- **Size:** from (m): to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 39.6  
- **Drawdown (m):** 15.2  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Nitrate:**  
- **Sodium:**  
- **Selenium:**  
- **Potassium:**  
- **Sulfate:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Aluminum:**  
- **Arsenic:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Chromium:**  
- **Fluoride:**  
- **Iron:**  
- **Copper:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  
- **Chloride:**  
- **Barium:**  
- **Lead:**  
- **Plutonium:**  
- **Beryllium:**  
- **Phosphate:**  
- **Calcium:**  
- **Magnesium:**  
- **Zinc:**  
- **Iron:**  
- **Copper:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  
- **Nitrate:**  
- **Sulfate:**  
- **Total Hardness:**  
- **Total Alkalinity:**  
- **Lead:**  
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- **Total Hardness:**  
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- **Lead:**  
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- **Nitrate:**  
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- **Lead:**  
- **Nitrate:**  
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- **Total Hardness:**  
- **Total Alkalinity:**  
- **Lead:**  
- **Nitrate:**  
- **Sulfate:**  
- **Total Hardness:**  
- **Total Alkalinity:**  

### Electric Log:
- **m³/day:**  
- **Transmissivity:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Project:**  
- **Database:** 1.000H

### Water Well Positioned by PFRA in 10TM NAD 27
**SW 32-051-26 W4M**

**Well Owner:** Reid, W.J.

**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number:** 00950

**Elevation (AMSL) (m):** 701

**AEP:** 156977

**Licence No.:** Easting: 79,194.68

**Date Started:** 09 May 91

**Northing:** 5,920,163.50

**Date Completed:** 10 May 91

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 44.2 (m)
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casings:
- **Type:** Plastic
- **Depth (m):** 39.9
- **Bottom (m):** 39.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 37.5 to 38.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 39.9 to 41.5
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 6.8
- **Time (minute):** 180.0
- **Level End (m):** 38.1
- **Drawdown (m):** 7.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 4.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
  - **COD:**
  - **SAR:**
  - **TKN:**
  - **Nitrate:**
  - **Molybdenum:**
  - **TC:**
  - **DIC:**
  - **TC:**
  - **Total Hardness:**
  - **Manganese:**
  - **Phosphate:**
  - **Cadmium:**
  - **Amm. Nitrogen:**
  - **Copper:**
  - **Total Alkalinity:**
  - **Lead:**
  - **Nitrate&Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 33-051-26 W4M**

**Well Owner:** Binder, Mel

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 701  
**AEP:** 245043  
**Date Started:** 06 Jun 94  
**Date Completed:** 08 Jun 94

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 59.4 (m)  
  - NPWL (m): 25.0  
  - Verified NPWL (m):  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth (m):** 55.5  
  - **Bottom (m):** 55.5  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  
- **Liner:**
  - **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  
- **Screen:**
  - **Material:** St  
  - **OD (mm):** 1.5  
  - **from (m):** 55.5 to 57.0 Size: 0.01  
  - **from (m):** to Size:  
- **Open Hole:** from (m): to  
- **Pump:**
  - **Model:**  
  - **Intake (m):**  
  - **Rate (lpm):** 22.8  
  - **Time (minute):** 120.0  
  - **Level End (m):** 39.6  
  - **Drawdown (m):** 14.6  
  - **Rec'd intakes (m):** 42.7  
  - **Rec'd Rate (lpm):** 22.8

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**Electric Log:** No  
**Gamma Log:** No  
**Aquifer Test:** No  
**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

Other Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
  - NPWL (m): 7.6
  - Verified NPWL (m): 81.816.29
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 42.7
  - **Bottom (m):** 42.7
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 42.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 39.6
  - **Bottom (m):** 64.0
- **Perforated How:** Machine
  - **from (m):** 48.8 to 64.0
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Duro 5355t
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 27.4
  - **Time (minute):** 480.0
- **Level End (m):** 48.8
  - **Drawdown (m):** 41.2
- **Rec'd Rate (lpm):** 54.9
  - **Rec'd intake (m):** 27.4

### Laboratory:

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### Depth Elevation

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### Electric Log
- **No**
- **Transmissivity:** m³/day

### Gamma Log
- **No**
- **Storativity:**

### Aquifer Test
- **No**

### AEP Data
- **Yes**
- **Well Field Verified:** No

### Project
- **Database:** 1.000H

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 33-051-26 W4M**

**Well Owner:** Fitz, Udo

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 701  
**AEP:** 161953

**Licence No.:** 81,155.62  
**Date Started:** 28 Oct 91  
**Nortthing:** 5,920,518.50  
**Date Completed:** 06 Nov 91

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Water Well Positioned by PFRA in 10TM NAD 27
**NW 33-051-26 W4M**

**Well Number:** 00954

**Well Owner:** Mcmanus, Ken

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 703

**Licence No.:**

**Date Started:**

**Date Completed:**

**Easting:** 80,864.18

**Northing:** 5,920,749.50

**AEP:** 161598

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 53.0 (m)
  - NPWL (m):
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
  - Depth (m):
  - Bottom (m):
  - Thickness (mm):
  - Seal Type:
    - from (m):
    - to

**Liner:**

- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):

**Perforated How:**

- from (m):
  - to
  - Size:
- from (m):
  - to
  - Size:
- from (m):
  - to
  - Size:

**Screen:**

- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

**Open Hole:**

- from (m):
  - to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 00955

**Well Owner:** Mulder, Bert

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 703

**Licence No.:** Easting: 80,864.18

**Date Started:** 01 Jul 94

**Drilling Contractor:** Northing: 5,920,749.50

**Date Completed:** 03 Jul 94

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 56.4 (m)
  - NPWL (m): 18.2
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 51.8
  - Bottom (m): 51.8
- **OD (mm):** 127.0
  - Thickness (mm): 0.1

**Seal Type:** Bentonite Chips/Tabl

**from (m):** 36.8 to 37.8

**Liner:**

- **Type:**
- **OD (mm):**
  - Thickness (mm): 53.3
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
  - from (m): to Size: 0.01
  - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:** Sub

- **Model:**
  - Intake (m): 27.4

**Testing:**

- **Rate (lpm):** 31.9
  - Time (minute): 120.0
- **Level End (m):** 23.2
  - Drawdown (m): 4.9
- **Rec'd intake (m):** 30.5
  - Rec'd Rate (lpm): 31.9

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 33-051-26 W4M**

**Well Owner:** Tassane, Dominic  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 700  
**AEP:** 153891  
**Licence No.:** Easting: 80,606.59  
**Date Started:** 06 Dec 90  
**Northing:** 5,926,689.00  
**Date Completed:** 06 Dec 90

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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 16.5  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 50.6  
- **Bottom (m):** 50.6  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tablet  
- **from (m):** to 38.7

### Liner:
- **Type:** St  
- **OD (mm):** 0.9  
- **from (m):** to 50.6  
- **to:** 52.1  
- **Size:** 0.01

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **Thickness (mm):**  
- **from (m):** to 50.6  
- **to:** 52.1  
- **Size:** 0.01

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 30.5  
- **Rate (lpm):** 36.5  
- **Time (minute):** 420.0  
- **Level End (m):** 19.5  
- **Drawdown (m):** 3.1  
- **Rec'd intake (m):** Rec'd Rate (lpm): 36.5

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 33-051-26 W4M**

Well Owner: **Tassane, Dominic**

Drilling Contractor: **Bar-K Water Well Drilling Ltd.**

---

**Well Number: 00957**

Elevation (AMSL) (m): **703**

AEP: **153889**

Licence No.: 80,982.18

Easting: 80,982.18

Date Started: **27 Nov 90**

Northing: 5,920,465.78

Date Completed: **29 Nov 90**

---

### General:

- **Type of Work:** New Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Unknown

**Completed Depth:** 67.1 (m)

**NPWL (m):** Verified NPWL (m): Unknown

**Abandonment:** Unknown

### Casing:

- **Type:** Unknown
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:

- **Type:** Unknown
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:** Unknown
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Intake (m):

### Testing:

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<tr>
<th>Rate (lpm)</th>
<th>Time (minute)</th>
<th>Level End (m)</th>
<th>Drawdown (m)</th>
<th>Rec'd intake (m):</th>
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### Laboratory:

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<td>Cond. (µS/cm)</td>
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<td>Molybdenum</td>
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</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</table>

### Electric Log:

- **Yes**
- **Transmissivity:** m³/day

### Gamma Log:

- **No**
- **Storativity:**

### Aquifer Test:

- **No**

### Project:

- **Database:** 1.000H

### AEP Data:

- **Yes**
- **Well Field Verified:** No

---

**Remarks:** Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Printed on:** 2/20/98
**NW 33-051-26 W4M**

**Well Owner:** Tassone, Domenic  
Drilling Contractor: Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 703  
**AEP:** 153890  
**Licence No.:** 80,864.18  
**Date Started:** 03 Dec 90  
**Easting:** 5,920,749.50  
**Date Completed:** 05 Dec 90

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<th>DepthElevation (BGL) (AMSL)</th>
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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<td>Completed Depth: 96.9</td>
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<tr>
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<td>from (m): to</td>
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<td>from (m): to</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
NW 33-051-26 W4M

Well Owner: **Tassone, Dominic**
Drilling Contractor: **Bar-K Water Well Drilling Ltd.**

Elevation (AMSL) (m): **703**
Licence No.: **E21**
Date Started: **21 Nov 90**
Date Completed: **21 Nov 90**

Easting: **80,982.18**
Northing: **5,920,465.78**
AEP: **153888**

**General:**
Type of Work: **Test Hole-Abandoned**
Drilling Method: **Rotary**
Well Use: **Domestic**
Completed Depth: **54.9** (m)
NPWL (m): **Verified NPWL (m):**
Abandonment: **Unknown**

**Casing:**
Type: **Plastic**
Depth (m): **29.6**
Bottom (m): **29.6**
OD (mm): **127.0**
Thickness (mm): **0.1**
Seal Type: from (m):
to

**Liner:**
Type: from (m):
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material: **St**
OD (mm): **0.9**
from (m): **29.6** to **31.1** Size: **0.01**
from (m):
to

**Open Hole:**
from (m):
to

**Pump:**
Model: Intake (m):

**Testing:**
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**

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<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** **No**
Transmissivity: m²/day
Gamma Log: **No**
Storativity:
Aquifer Test: **No**

Project: **Database: 1.000H**
AEP Data: Yes Well Field Verified: **No**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 16.8
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 50.9
  - **Bottom (m):** 50.9
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):** to 54.9

**Casing:**

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Thickness (mm):**

**Screen:**

- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 50.9 to 52.4
- **Size:** 0.01
- **from (m):** to **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):** 36.6
- **Drawdown (m):** 19.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL):**

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**Lithologic Description:**

- Topsoil
- Till Yellow
- Clay Soft Blue
- Sand & Coal Fine Grained Brown
- Clay Blue
- Sand & Coal Fine Grained Gray
- Clay Blue
- Sand Fine Grained Gray
- Clay Blue
- Sand & Coal Gray
- Sandstone Fine Grained
- Clay Blue
- Shale Gray

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
NW 33-051-26 W4M

Well Owner: Wenckowski, G.

Drilling Contractor: Cobob Pumps And Services Ltd.

Well Number 00961

Elevation (AMSL) (m): 701

AEP: 158804

Licence No.: Easting: 80,817.02

Date Started: 14 Aug 91 Northing: 5,920,879.00

Date Completed: 20 Aug 91

### General:
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 94.2 (m)
- NPWL (m): 18.0
- Abandonment:

### Casing:
- Type: **Plastic**
- Depth (m): 47.2
- Bottom (m): 47.2
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: **Shale Trap**
- from (m): to 45.1

### Liner:
- Type: **Shale Trap**
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 45.7
- Bottom (m): 94.2

### Perforated How: Saw
- from (m): to 80.8
- Size: to 92.7

### Lithologic Description

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<td>648.9 Sandstone Gray</td>
</tr>
<tr>
<td>54.3</td>
<td>647.1 Shale Gray</td>
</tr>
<tr>
<td>56.1</td>
<td>645.3 Sandstone</td>
</tr>
<tr>
<td>66.1</td>
<td>635.2 Shale Gray</td>
</tr>
<tr>
<td>76.2</td>
<td>625.2 Siltstone</td>
</tr>
<tr>
<td>80.8</td>
<td>620.6 Shale Gray</td>
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<tr>
<td>85.6</td>
<td>615.7 Sandstone Gray</td>
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<td>88.7</td>
<td>612.7 Shale Gray</td>
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<td>92.7</td>
<td>608.7 Sandstone Gray</td>
</tr>
<tr>
<td>94.2</td>
<td>607.2 Shale Gray</td>
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</table>

### Screen:
- Material: 
- OD (mm): 
- from (m): to Size:
- from (m): to Size:

### Open Hole:
- from (m): to 

### Pump:
- Gould
- Model: 7g07422
- Intake (m): 79.2

### Testing:
- Rate (lpm): 18.2
- Time (minute): 120.0
- Level End (m): 79.2
- Drawdown (m): 61.3
- Rec'd intake (m): 79.2
- Rec'd Rate (lpm): 18.2

### Laboratory:
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

### Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Hill, Bob/Pat (Hilltop Far)
Drilling Contractor: Kap'S Drilling Ltd.

Well Number: 00962

Elevation (AMSL) (m): 597
AEP: 238848
Licence No.: Easting: 81,830.75
Date Started: 22 Jul 93 Northing: 5,919,968.50
Date Completed: 23 Jul 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth: 56.4 (m)
NPWL (m): 19.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 53.3 Bottom (m): 53.3
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): 47.2 to 50.3

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2
from (m): 53.3 to 54.9 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m): 48.8
Testing:
Rate (lpm): 45.6 Time (minute): 420.0
Level End (m): 45.7 Drawdown (m): 25.9
Rec'd intake (m): 48.8 Rec'd Rate (lpm): 45.6

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General Information

- **Well Number:** 00963
- **Well Owner:** Holmes, Edward
- **Drilling Contractor:** Big Iron Drilling Ltd.
- **Elevation (AMSL) (m):** 699
- **AEP:** 242395
- **Licence No.:** Easting: 80,990.13
- **Date Started:** 11 Jan 77
- **Northing:** 5,819,672.50
- **Date Completed:** 17 Jan 77

### Depth Elevation

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<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>5.5</td>
<td>693.5</td>
<td>Sand Brown</td>
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<tr>
<td>21.3</td>
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<td>Clay Blue</td>
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<td>22.9</td>
<td>676.2</td>
<td>Stones</td>
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<td>39.6</td>
<td>659.4</td>
<td>Clay &amp; Boulders</td>
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<td>43.0</td>
<td>656.1</td>
<td>Sand Fine Grained</td>
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<td>46.0</td>
<td>653.0</td>
<td>Sand Coarse Grained</td>
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<td>46.3</td>
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<td>649.6</td>
<td>Sandstone</td>
</tr>
<tr>
<td>52.4</td>
<td>646.6</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

### Lithologic Description

- **Type of Work:** New Well
- **Well Use:** Domestic
- **Completed Depth:** 52.4 m
- **NPWL (m):** 12.2
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 44.5
- **Bottom (m):** 44.5
- **OD (mm):** 139.7
- **Thickness (mm):** 21.3
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:** St
- **OD (mm):** 1.2
- **from (m):**
- **to:**
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:** Sub
- **Intake (m):** 43.3

### Testing:

- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):** 1.5
- **Rec'd intake (m):** 43.3
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:

- **Transmissivity:**  m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 15.2
  - **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 44.8
  - **Bottom (m):** 44.8
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
  - **from (m):** to 48.8

**Liner:**

- **Type:**
  - **from (m):** to Size:
  - **Top (m):** to Size:
  - **Perforated How:**
    - **from (m):** to Size:

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
  - **from (m):** to 44.8
  - **to 46.3**
  - **Size:** 0.01

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
  - **Intake (m):** 46.3

**Testing:**

- **Rate (lpm):** 6.8
  - **Time (minute):** 540.0
- **Level End (m):** 44.5
  - **Drawdown (m):** 29.3
- **Rec'd intake (m):** 44.5
  - **Rec'd Rate (lpm):** 4.6

**Laboratory:**

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<th>Parameter</th>
<th>Value</th>
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<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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</tr>
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<td>TDS</td>
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<td>Sodium</td>
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<td>Iron</td>
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<td></td>
</tr>
<tr>
<td>Silicon</td>
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</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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<td>0.3</td>
<td>698.7</td>
</tr>
<tr>
<td>5.2</td>
<td>693.8</td>
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<td>17.1</td>
<td>682.0</td>
</tr>
<tr>
<td>18.6</td>
<td>680.4</td>
</tr>
<tr>
<td>21.9</td>
<td>677.1</td>
</tr>
<tr>
<td>37.5</td>
<td>661.5</td>
</tr>
<tr>
<td>46.3</td>
<td>652.7</td>
</tr>
<tr>
<td>46.9</td>
<td>652.1</td>
</tr>
<tr>
<td>48.2</td>
<td>650.9</td>
</tr>
<tr>
<td>48.8</td>
<td>650.3</td>
</tr>
</tbody>
</table>

**Lithologic Description:**

- Topsoil Black
- Till Brownish Yellow
- Till Blue
- Till & Rocks Blue
- Sand & Coal Fine Grained
- Clay Blue
- Sand & Coal Medium Grained Gra
- Clay Blue
- Shale Brownish Gray
- Sandstone

**Project:**

- Database: 1.000H

**AEP Data:**

- Yes
- Well Field Verified: No

---

**Well Number:** 00964

**Well Owner:** Mills, John & Audrey

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 699

**AEP:** 218429

**Easting:** 80,990.13

**Northing:** 5,919,672.50

**Date Started:** 05 Jun 93

**Date Completed:** 06 Jun 93

---

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 m
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 49.4
  - **Bottom (m):** 49.4
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
  - **Seal Type:** Sand Pack
  - **from (m):** to 50.9

**Licence No.:** Easting: 80,990.13
**Elevation (AMSL) (m):** 699
**Date Started:** 11 Oct 91
**Date Completed:** 11 Oct 91

**Casing:**
- **Type:** Plastic
- **Depth (m):** 49.4
- **Bottom (m):** 49.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):** to 50.9

**Liner:**
- **Type:**
- **OD (mm):** 15.5
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 49.4
- **Thickness (mm):**
- **from (m):** to 50.9
- **Size:** 0.01
- **from (m):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Drawdown (m):** 15.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 m (m) NPWL (m): 23.5
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 48.5
- **Bottom (m):** 48.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tablet

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Perforated From (m):**
- **To (m):**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **Size:** 0.01

### Open Hole:
- **From (m):**
- **To (m):**

### Pump:
- **Model:**
- **Intake (m):** 50.0

### Testing:
- **Rate (lpm):**
- **Time (minute):** 120.0
- **Drawdown (m):**
- **Level End (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Iron:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
### NE 34-051-26 W4M

**Well Owner:** Ainslie, Bob  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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<th>General:</th>
<th>Depth Elevation</th>
</tr>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>(BGL) (AMSL)</strong></td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
<td><strong>(m)</strong></td>
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<tr>
<td><strong>Completed Depth:</strong> 68.6 (m)</td>
<td><strong>(m)</strong></td>
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<td><strong>NPWL (m):</strong> 30.5</td>
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<td><strong>Depth (m):</strong> 59.4</td>
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<td><strong>Bottom (m):</strong> 59.4</td>
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<td><strong>OD (mm):</strong> 141.2</td>
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<td><strong>from (m):</strong> to</td>
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<td><strong>Bottom (m):</strong></td>
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<td><strong>Top (m):</strong></td>
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<tr>
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<td><strong>Project:</strong> Database: 1.000H</td>
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<td><strong>Thickness (mm):</strong></td>
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<td><strong>from (m):</strong> to</td>
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<th><strong>Open Hole:</strong></th>
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<tr>
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</tr>
<tr>
<td><strong>Rate (lpm):</strong></td>
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<td><strong>Time (minute):</strong></td>
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<td><strong>Level End (m):</strong></td>
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</tr>
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<td><strong>Rec'd intake (m):</strong></td>
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<td><strong>Rec'd Rate (lpm):</strong></td>
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| Laboratory: |  |
|-------------|  |
| **pH (pH unit):** | COD |
| **Cond. (µS/cm):** | Mercury |
| **TDS:** | SAR |
| **Sodium:** | Nickel |
| **Potassium:** | TKN |
| **Calcium:** | Selenium |
| **Magnesium:** | Nitrate |
| **Carbonate:** | Strontium |
| **Bicarbonate:** | Nitrite |
| **Aluminum:** | Molybdenum |
| **Sulphate:** | TN |
| **Chloride:** | Vanadium |
| **Fluoride:** | TC |
| **Iron:** | Zinc |
| **TOC:** | DIC |
| **Silica:** | Hydroxide |
| **Open Hole:** | Arsenic |
| **Beryllium:** | Total Hardness |
| **Barium:** | Manganese |
| **Sulphate:** | Phosphate |
| **Chloride:** | Ion Balance |
| **Fluoride:** | Chromium |
| **Iron:** | Amm. Nitrogen |
| **TOC:** | Cobalt |
| **Silica:** | Copper |
| **Open Hole:** | Total Alkalinity |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NE 34-051-26 W4M

Well Owner: Buck, Stan
Drilling Contractor: Unknown Driller

Well Number: 00968

Elevation (AMSL) (m): 699
AEP: 193959
Licence No.: 
Date Started: 
Easting: 83,287.47
North: 5,920,720.00
Date Completed: 

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 7.8 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**NE 34-051-26 W4M**

**Well Owner:** Dowsett, John  
**Drilling Contractor:** Midwest Water Well Ltd.  
**Elevation (AMSL) (m):** 694  
**AEP:** 154832  
**Licence No.:** Easting: 82,577.17  
**Date Started:** 20 Feb 91  
**Nothing:** 5,920,842.00  
**Date Completed:** 20 Feb 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 59.4 (m)  
- **NPWL (m):** 18.3  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 54.9  
- **Bottom (m):** 54.9  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** 51.8  
- **to:** 53.3

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 54.9  
- **to:** 56.4  
- **Size:** 0.01  
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 91.2  
- **Time (minute):** 180.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 18.3  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 68.4

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH unit:**
- **SAR:**
- **TN:**
- **TC:**
- **DIC:**
- **Nitrate:**
- **Molybdenum:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Total Hardness:**
- **Manganese:**
- **Total Alkalinity:**
- **Zinc:**
- **Iron:**
- **Magnesium:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Selenium:**
- **Total Hardness:**
- **Total Alkalinity:**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:**
- **Database:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**printed on:** 2/20/98
**NE 34-051-26 W4M**

**Well Owner:** Ginis, G.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

<table>
<thead>
<tr>
<th>Well Number: 00970</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m): 693</td>
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<tr>
<td>Licence No.: AEP: 152767</td>
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<tr>
<td>Date Started: 23 Aug 90</td>
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<td>Easting: 83,325.80</td>
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<tr>
<td>No.</td>
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<tr>
<td>Northing: 5,920,847.50</td>
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<td>Date Completed: 28 Aug 90</td>
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</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 97.5 m
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 61.0
- **Bottom (m):** 61.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** 57.9
- **to:** 61.0

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 97.5

### Lithologic Description:

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Type of Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2</td>
<td>680.9</td>
<td>Sand</td>
</tr>
<tr>
<td>24.4</td>
<td>668.8</td>
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<td>24.7</td>
<td>668.4</td>
<td>Coal</td>
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<td>27.4</td>
<td>665.6</td>
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<tr>
<td>27.7</td>
<td>665.3</td>
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<tr>
<td>30.5</td>
<td>662.6</td>
<td>Till</td>
</tr>
<tr>
<td>36.6</td>
<td>656.5</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>42.4</td>
<td>650.7</td>
<td>Till</td>
</tr>
<tr>
<td>43.0</td>
<td>650.1</td>
<td>Coal</td>
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<tr>
<td>56.4</td>
<td>636.7</td>
<td>Till Stoney</td>
</tr>
<tr>
<td>57.9</td>
<td>635.1</td>
<td>Shale Gray</td>
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<tr>
<td>61.0</td>
<td>632.1</td>
<td>Shale Green</td>
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<tr>
<td>65.8</td>
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<td>66.1</td>
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<td>67.1</td>
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<td>68.3</td>
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<td>70.1</td>
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<td>80.8</td>
<td>612.3</td>
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<td>81.7</td>
<td>611.4</td>
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<td>82.0</td>
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<tr>
<td>96.0</td>
<td>597.0</td>
<td>Sandstone</td>
</tr>
<tr>
<td>97.5</td>
<td>595.5</td>
<td>Shale Light Gray</td>
</tr>
</tbody>
</table>

### Screen:
- **Material:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Thickness (mm):**
- **Size:**
- **Open Hole:**
- **from (m):**
- **to:**

### Pump:
- **Model:** Gould
- **Intake (m):** 84.7
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 79.2
- **Drawdown (m):** 57.9
- **Rec'd intake (m):** 84.7
- **Rec'd Rate (lpm):** 9.1

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<td>TC</td>
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<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
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<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate/Nitrite</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing:
- **Electric Log:** No
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Database:** Project: 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** (m)
- NPWL (m): Verified NPWL (m):
- **Abandonment:** Bentonite Product  12 Mar 96

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Concentration Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>COD</td>
<td>Mercury</td>
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<tr>
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<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>Vanadium</td>
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<tr>
<td>Carbonate</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Total Hardness</td>
</tr>
<tr>
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<td>Manganese</td>
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<td>Phosphate</td>
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<tr>
<td>Fluoride</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td></td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Printed on:** 2/20/98
NE 34-051-26 W4M

Well Owner: Jethon, Gina
Drilling Contractor: D&D Water Well Drilling & Services

Well Number 00972

Elevation (AMSL) (m): 693
AEP: 281103
Licence No.: Easting: 83,464.45
Date Started: 12 Mar 96
Northing: 5,920,845.50
Date Completed: 12 Mar 96

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 58.5 m
- NPWL (m): 23.8
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 55.2
- Bottom (m): 55.2
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabi
- from (m): to 41.8

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material: St
- OD (mm): 1.5
- from (m): to 56.7
- Size: 0.01
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 56.7

Testing:
- Rate (lpm): Time (minute): 120.0
- Level End (m): 27.4
- Drawdown (m): 3.7
- Rec'd intake (m): 36.6
- Rec'd Rate (lpm): 22.8

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminium
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate&Nitrite N

- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NE 34-051-26 W4M**

**Well Owner:** Kozak, Cynthia  
**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number:** 00973  
**Elevation (AMSL) (m):** 702  
**AEP:** 153363  
**Licence No.:** Easting: 82,291.98  
**Date Started:** 15 Oct 90  
**Northing:** 5,920,411.50  
**Date Completed:** 16 Oct 90

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 53.0  
- **Bottom (m):** 53.0
- **OD (mm):** 141.2  
- ** Thickness (mm):** 0.1
- **Seal Type:** Other
  - from (m): to 56.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 53.0 to 54.6  
- **Size:** 0.01
- **from (m):**
- **to Size:**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 136.8
- **Time (minute):** 180.0
- **Level End (m):** 36.6
- **Drawdown (m):** 18.3
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
NE 34-051-26 W4M

Well Owner: Zyp, H.
Drilling Contractor: Hokenson Ww Ltd

Elevation (AMSL) (m): 699
Licence No.: 157689
Easting: 83,287.47
Date Started: 01 Jun 73
Northing: 5,920,720.00
Date Completed: 01 Jun 73

Well Number 00974

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth (m): 54.9
NPWL (m): 22.6
Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 49.4
Bottom (m): 49.4
OD (mm): 101.6
Thickness (mm):
Seal Type: Driven
from (m): to

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:

Screen:
Material: St
OD (mm): 0.9
from (m): 49.4 to 50.6
Size: 0.01
from (m): to
Size:

Open Hole:
from (m): to

Pump: Sub
Model: Starite
Intake (m):

Testing:
Rate (lpm): 36.5
Time (minute): 360.0
Level End (m): 36.6
Drawdown (m): 14.0
Rec'd Rate (lpm): 48.2
Rec'd intake (m):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
COD:
SAR:
Sodium:
Nitrate:
Nitrite:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Barium:
Aluminium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Sorativity:
Aquifer Test: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
SE 34-051-26 W4M  Well Number 00975

Well Owner: Artum, Bill
Drilling Contractor: Cobob Pumps And Services Ltd.
Elevation (AMSL) (m): 701  AEP: 151203
Licence No.: 83,095.72  Date Started: 21 Feb 90
Date Completed: 24 Feb 90
Northing: 5,920,099.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 61.0 (m)
NPWL (m): 24.4  Verified NPWL (m):
Abandonment:
Casing:
Type: Plastic
Depth (m): 59.4  Bottom (m): 59.4
OD (mm): 152.4  Thickness (mm): 0.2
Seal Type:
from (m): to
Linier:
Type:
OD (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material: St
OD (mm): 1.2
from (m): 59.4 to 61.0 Size: 0.01
from (m): to Size:
Open Hole:
from (m): to
Pump: Sub
Model: Gould
Intake (m): 58.8
Testing:
Rate (lpm): 22.8  Time (minute): 120.0
Level End (m): 57.9  Drawdown (m): 33.5
Rec'd intake (m): 58.8  Rec'd Rate (lpm): 18.2

Laboratory:
pH (pH unit)  COD  Mercury
Cond. (µS/cm)  SAR  Nickel
TDS  TKN  Selenium
Sodium  Nitrate  Strontium
Potassium  Nitrite  Molybdenum
Calcium  TN  Vanadium
Magnesium  TC  Zinc
Carbonate  DIC  Hydroxide
Bicarbonate  Arsenic  Total Hardness
Aluminium  Barium  Manganese
Sulphate  Beryllium  Phosphate
Chloride  Cadmium  Ion Balance
Fluoride  Chromium  Amm. Nitrogen
Iron  Cobalt  Total Phosphate
TOC  Copper  Total Alkalinity
Silica  Lead  Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No  Transmissivity: m²/day
Gamma Log: No  Storativity:
Aquifer Test: No  Project: Database: 1.000H
AEP Data: Yes  Well Field Verified: No

printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
**SE 34-051-26 W4M**

**Well Owner:** Lawrence, Samuel  
Drilling Contractor: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 701  
**AEP:** 169926  
**Licence No.:** Easting: 83,654.83  
**Date Started:** 16 Nov 92  
**Northing:** 5,919,799.50  
**Date Completed:** 17 Nov 92

**General:**
- Type of Work: New Well  
- Drilling Method: Rotary  
- Well Use: Domestic  
- Completed Depth: 65.5 m  
- NPWL (m): 33.5  
- Abandonment:
- Type: Plastic  
- Depth (m): 61.0  
- Bottom (m): 61.0  
- OD (mm): 141.2  
- Thickness (mm): 0.1  
- Seal Type: Driven  
- from (m): to 61.0

**Casing:**
- Type: Plastic  
- Depth (m): 61.0  
- Bottom (m): 61.0  
- OD (mm): 141.2  
- Thickness (mm): 0.1  
- Seal Type: Driven  
- from (m): to 61.0

**Liner:**
- Type:  
- OD (mm):  
- Thickness (mm):
- Top (m):  
- Bottom (m):
- Perforated How:
- from (m): to  
- Size:
- from (m): to  
- Size:
- from (m): to  
- Size:

**Screen:**
- Material: St  
- OD (mm): 1.2  
- from (m): 64.0 to 65.5  
- Size: 0.01  
- from (m):  
- Size:

**Open Hole:**
- from (m):  
- to:

**Pump:**
- Model:  
- Intake (m):
- Rate (lpm): 63.9  
- Time (minute): 420.0  
- Level End (m): 42.7  
- Drawdown (m): 9.1  
- Rec'd intake (m):  
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit)  
- Cond. (µS/cm)  
- TDS  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminum  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
-Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- Silica  
- Lead  
- Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

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<tr>
<th>Depth (m)</th>
<th>Elevation (m):</th>
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<tbody>
<tr>
<td>7.6</td>
<td>693.6 Clay Sandy Yellow</td>
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<td>12.2</td>
<td>689.0 Sand Silty</td>
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<td>30.5</td>
<td>670.7 Clay Soft Blue</td>
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<tr>
<td>36.6</td>
<td>664.6 Clay &amp; Rocks Blue</td>
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<tr>
<td>39.0</td>
<td>662.2 Shale Sandy Gray</td>
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<tr>
<td>40.2</td>
<td>661.0 Shale Brown</td>
</tr>
<tr>
<td>41.5</td>
<td>659.8 Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>43.0</td>
<td>658.2 Shale Gray</td>
</tr>
<tr>
<td>64.3</td>
<td>636.9 Sand</td>
</tr>
<tr>
<td>65.5</td>
<td>635.7 Shale Gray</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivty:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
SE 34-051-26 W4M

Well Owner: Murdoch, Bill
Drilling Contractor: Irmc Water Well Service & Supply Co. Ltd

Elevation (AMSL) (m): 700
Licence No.: 1500254
Date Started: 05 Jun 75
AEP: 83,152.08
Easting: 5,819,663.00
Date Completed: 09 Jun 75
Northing: 5,819,663.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 57.9 (m)
NPWL (m): 21.3
Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 55.8
Bottom (m): 55.8
OD (mm): 114.3
Thickness (mm):
Seal Type: Driven
from (m): to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material: Un
OD (mm):
from (m): 55.8 to 57.3
Thickness (mm): 0.01
from (m):
Size:
from (m):
Size:

Open Hole:
from (m): to

Pump:
Model: Sub
Intake (m): 53.3

Testing:
Rate (lpm): 9.1
Time (minute):
Level End (m):
Drawdown (m):
Rec'd Rate (lpm):
Rec'd intake (m):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminium
Barium
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
Molybdenum
Vanadium
Zinc
Hydroxide
Arsenic
Barium
Manganese
Beryllium
Cadmium
Cadmium
Chromium
Amm. Nitrogen
Cobalt
Copper
Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27}

printed on 2/20/98
**SE 34-051-26 W4M**

**Well Number:** 00979

**Well Owner:** Sanche, Dennis

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 702

**AEP:** 238746

**Licence No.:** Easting: 83,716.82

**Date Started:** 22 Mar 94

**Northing:** 5,920,037.50

**Date Completed:** 23 Mar 94

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 65.5 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 61.3
- **Bottom (m):** 61.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 39.6

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:** St
- **OD (mm):** 1.5
- **from (m):** to 61.3
- **to 62.8**
- **Size:** 0.01
- **Open Hole:**
- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):** 62.8

### Testing:

- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):** 26.5
- **Drawdown (m):** 2.1
- **Rec'd intake (m):** 30.5
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Barium</td>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphorus</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **No** Transmissivity: m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **Electric Log:**
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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*printed on 2/20/98*
**Well Number:** 00980  
**Well Owner:** Smith, Jim  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** 26.0  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 59.4  
- **Bottom (m):** 59.4  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.2  
- **Seal Type:**  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **OD (mm):** 57.9 to 59.4  
- **Size:** 0.01  
- **Thickness (mm):**  

### Open Hole:
- **from (m):**  
- **to:**  

### Pump:
- **Model:**  
- **Intake (m):** 57.9  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**  
- **Time (minute):** 420.0  
- **Drawdown (m):** 29.0  
- **Level End (m):**  
- **Testing:**  

### Laboratory:
- **pH (pH unit):**  
- **COND. (µS/cm):**  
- **TDS:**  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:** Yes  
- **AEP Data:** Well Field Verified: No  

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27  

---

**Elevation (AMSL) (m):** 702  
**AEP:** 151202  
**Licence No.:**  
**Date Started:** 24 Feb 90  
**Norting:** 5,920,043.00  
**Date Completed:** 27 Feb 90  

**Well Use:** Domestic  
**Drilling Contractor:** Cobob Pumps And Services Ltd.
**SE 34-051-26 W4M**

**Well Owner:** Vanderzyl, Tony

Drilling Contractor: Cobob Pumps And Services Ltd.

**Well Number 00981**

**Elevation (AMSL) (m):** 703  
**AEP:** 165814  
**Licence No.:** 83,434.99  
**Date Started:** 27 Apr 92  
**Easting:** 5,819,709.01  
**Date Completed:** 28 Apr 92  

---

### General:

- **Type of Work:** New Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 64.0  
**NPWL (m):** 25.0  
**Verified NPWL (m):** 28 Apr 92

### Casing:

- **Type:** Plastic
- **Depth (m):** 58.8  
- **Bottom (m):** 58.8
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1
- **Seal Type:** Benseal
- **from (m):** 54.9  
- **to:** 57.9

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 58.8  
- **to:** 60.4  
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):** 54.9

### Testing:

- **Rate (lpm):** 136.8  
- **Time (minute):** 180.0
- **Level End (m):** 54.9  
- **Drawdown (m):** 29.9
- **Rec’d intake (m):** 44.2  
- **Rec’d Rate (lpm):** 45.6

---

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** No  
- **Storativity:**
- **Aquifer Test:** No  
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

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*printed on 2/20/98*
SE 34-051-26 W4M

Well Number: 00982

Well Owner: Vani, Roger

Well Use: Domestic
Licence No.: Easting: 83,389.92
Date Started: 10 May 89
Norting: 5,919,960.50
Date Completed: 14 May 89

General:
Type of Work: New Well
Drilling Method: Rotary
Completed Depth: 53.3 (m)
NPWL (m): 29.9 Verified NPWL (m):

Abandonment:

Casing:
Type: Plastic
Depth (m): 53.3 Bottom (m): 53.3
OD (mm): 127.0 Thickness (mm): 0.2
Seal Type: from (m): to

Liner:
Type: with Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 51.8 to 53.3 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 51.8

Testing:
Rate (lpm): 11.4 Time (minute): 480.0
Level End (m): 48.8 Drawdown (m): 18.9
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<td>TDS</td>
<td>TKN</td>
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<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Woloshyn, Bill
Drilling Contractor: D&D Water Well Drilling & Services

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 58.5 m
- NPWL (m): 25.0
- Verif. NPWL (m): Abandonment:

Casing:
- Type: Plastic
- Depth (m): 54.9
- Bottom (m): 54.9
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): to 53.3

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m):
- to
- Size:
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Screen:
- Material: St
- OD (mm): 1.5
- from (m): 54.9 to 56.4
- Size: 0.01
- from (m):
- to
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m): 56.4

Testing:
- Rate (lpm): 82.1
- Time (minute): 120.0
- Level End (m): 44.2
- Drawdown (m): 19.2
- Rec'd intake (m): 33.5
- Rec'd Rate (lpm): 22.8

Laboratory:
- pH (pH unit)
- COD
- Mercury
- SAR
- Nickel
- TDS
- TKN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminium
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate & Nitrite N

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Well Number: 00983
Elevation (AMSL) (m): 698
AEP: 281101
Licence No.: 82,466.02
Date Started: 05 Apr 96
Easting: 5,919,898.00
Date Completed: 06 Apr 96
Northing: 82,466.02

<table>
<thead>
<tr>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>14.3</td>
<td>683.6</td>
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<tr>
<td>36.9</td>
<td>661.0</td>
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<tr>
<td>53.3</td>
<td>644.5</td>
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<tr>
<td>57.3</td>
<td>640.6</td>
</tr>
<tr>
<td>58.5</td>
<td>639.4</td>
</tr>
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</table>

Sand Silty
Clay Sandy Blue
Shale Gray
Shale Green

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.3 (m)
- **NPWL (m):** 27.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 61.0
- **Bottom (m):** 61.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 48.8

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 61.0 to 62.5
- **Size:** 0.01
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 62.5

**Testing:**
- **Rate (lpm):** 104.9
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 21.6
- **Rec'd intake (m):** 36.6
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminium:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number 00985**

**SW 34-051-26 W4M**

**Well Owner:** Woloshyn, Peter/Bill (Farm)

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 698

**AEP:** 281100

**License No.:**

**Date Started:** 09 Apr 96

**Date Completed:** 09 Apr 96

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 58.5 (m)
- **NPWL (m):** 20.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:

- **Type:** Plastic
- **Depth (m):** 54.3
- **Bottom (m):** 54.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 41.5

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:

- **Material:** St
- **OD (mm):** 1.5
- **from (m):** to 55.8
- **Size:** 0.01
- **from (m):** to
- **Size:**

### Open Hole:

- **from (m):**

### Pump:

- **Model:**
- **Intake (m):** 55.8

### Testing:

- **Rate (lpm):** 123.1
- **Time (minute):** 120.0
- **Level End (m):** 41.2
- **Drawdown (m):** 20.7
- **Rec'd intake (m):** 30.5
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<tr>
<td>Sodium</td>
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<td>Strontium</td>
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<td>Potassium</td>
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<td>Nitrite</td>
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<td>Molybdenum</td>
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<td>Cadmium</td>
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<td>Ion Balance</td>
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<td>Fluoride</td>
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<td>Chromium</td>
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<td>Amm. Nitrogen</td>
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<td>Iron</td>
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<td>Cobalt</td>
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<td>TOC</td>
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<tr>
<td>Copper</td>
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<tr>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td></td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate+Nitrite N</td>
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</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 59.7 m
- NPWL (m): 17.7
- Abandonment:

**Casing:**
- Type: **Plastic**
- Depth (m): 56.7  Bottom (m): 56.7
- OD (mm): 127.0
- Seal Type: from (m): to
- Thickness (mm): from (m): to

**Liner:**
- Type: from (m): to
- OD (mm): Thickness (mm): from (m): to
- Top (m): Bottom (m):
- Perforated How: from (m): to
- from (m): to
- from (m): to

**Screen:**
- Material: St
- OD (mm): 0.9
- OD (mm): from (m): to 58.2
- Thickness (mm): Size: 0.01
- from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- Model: 
- Intake (m): 25.9

**Testing:**
- Rate (lpm): 54.7
- Time (minute): 420.0
- Drawdown (m): 2.7
- Rec'd Rate (lpm): 36.5

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- TOC: Copper
- Silica: Lead

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Project: Database: 1.000H

Well Field Verified: Yes

License No.: Easting: 85,115.86

Date Started: 01 Mar 90

No

Well Field Verified: No

Nitrate

Amm. Nitrogen

Amm. Nitrogen

Amm. Nitrogen

Amm. Nitrogen

Amm. Nitrogen

Amm. Nitrogen

Amm. Nitrogen

Amm. Nitrogen
**NW 35-051-26 W4M**

Well Owner: **Pahal, Dorothy**
Drilling Contractor: **Bar-K Water Well Drilling Ltd.**

**Depth Elevation**

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<th>(BGL)</th>
<th>(AMSL)</th>
<th>Lithologic Description</th>
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<td>19.5</td>
<td>676.1</td>
<td>Clay</td>
</tr>
<tr>
<td>20.1</td>
<td>675.5</td>
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<td>31.7</td>
<td>664.0</td>
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<td>59.1</td>
<td>636.5</td>
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<tr>
<td>59.7</td>
<td>635.9</td>
<td>Clay</td>
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**General:**

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<th>Well Number: 00987</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m):</td>
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<td>Licence No.:</td>
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<tr>
<td>Date Started:</td>
</tr>
<tr>
<td>Northing:</td>
</tr>
<tr>
<td>Date Completed:</td>
</tr>
</tbody>
</table>

**Type of Work:** New Well

**Drilling Method:** Rotary

**Well Use:** Domestic

**Completed Depth:** 59.7 (m)

**NPWL (m):** 20.1

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

<table>
<thead>
<tr>
<th>Type: Plastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (m): 57.0</td>
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<tr>
<td>Bottom (m): 57.0</td>
</tr>
<tr>
<td>OD (mm): 127.0</td>
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<tr>
<td>Thickness (mm): 0.1</td>
</tr>
</tbody>
</table>

**Seal Type:** Bentonite Chips/Tabl

from (m): 31.7 to

**Liner:**

<table>
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<th>Type: Plastic</th>
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<tbody>
<tr>
<td>OD (mm):</td>
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<tr>
<td>Top (m):</td>
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<tr>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Bottom (m):</td>
</tr>
</tbody>
</table>

**Perforated How:**

| from (m): |
| to |
| Size: |

**Screen:**

<table>
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<th>Material: St</th>
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<tbody>
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<td>OD (mm): 0.9</td>
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<tr>
<td>from (m): 57.0 to 58.5</td>
</tr>
<tr>
<td>Size: 0.01</td>
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</table>

**Open Hole:**

| from (m): |
| to |

**Pump:**

| Model: |
| Intake (m): 45.7 |

**Testing:**

| Rate (lpm): 54.7 |
| Time (minute): 420.0 |
| Level End (m): 22.3 |
| Drawdown (m): 2.1 |
| Rec'd intake (m): |
| Rec'd Rate (lpm): 36.5 |

**Laboratory:**

| pH (pH unit): |
| COD: |
| SAR: |
| TDS: |
| Sodium: |
| Nitrate: |
| Potassium: |
| Nitrite: |
| Calcium: |
| Nitrile: |
| Magnesium: |
| TC: |
| Carbonate: |
|DIC: |
| Bicarbonate: |
| Arsenic: |
| Aluminium: |
| Barium: |
| Sulphate: |
| Beryllium: |
| Chloride: |
| Cadmium: |
| Fluoride: |
| Chromium: |
| Iron: |
| Cobalt: |
| TOC: |
| Copper: |
| Helium: |
| Selenium: |
| Nitrate: |
| Molybdenum: |
| Strontium: |
| Sodium: |
| Nitrite: |
| Manganese: |
| Zinc: |
| Open Hole: |
| Calcium: |
| Magnesium: |
| Zinc: |
| Total Hardness: |
| Total phosphate: |
| Total alkalinity: |
| Lead: |
| Nickel: |
| Phosphate: |
| Indium: |
| Sodium: |
| Nitrate: |
| Nitrite: |
| Total alkalinity: |
| Chloride: |
| Total Hardness: |
| Total phosphate: |
| Total alkalinity: |
| Lead: |
| Nitrate: |
| Nitrite: |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes
Well Field Verified: No
**SE 35-051-26 W4M**

**Well Owner:** Devos, Reyn  
**Drilling Contractor:** Unknown Driller

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic

**Completed Depth:** 121.9 (m)  
**NPWL (m):**  
**Verified NPWL (m):**

**Abandonment:**  
**Type:**  
**Depth (m):** Bottom (m):  
**OD (mm):** Thickness (mm):  
**Seal Type:** from (m): to  

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  

**Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

**Open Hole:**  
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**  

**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27  

**Well Number 00988**

**Elevation (AMSL) (m):** 696  
**AEP:** 160783  
**Date Started:**  
**Easting:** 85,015.48  
**North:** 5,919,970.50  
**Date Completed:**  

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Depth Elevation**

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<thead>
<tr>
<th>(BGL)</th>
<th>(AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
<td>(No Lithologic Information Available)</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27  

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 43.0 (m)
- **Elevation (AMSL):** 696 (m)
- **Veriﬁed NPWL (m):** 18.3
- **Abandonment:**

#### Casing:
- **Type:** Steel
- **Depth (m):** 39.9
- **Bottom (m):** 39.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 39.9

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 40.5 to **2.1**
- **Size:** 0.01
- **from (m):** to **Size:**

#### Open Hole:
- **from (m):** to **Size:**

#### Pump:
- **Intake (m):** 37.2
- **Model:**
- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 42.1
- **Rec’d intake (m):** 37.2

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Name:**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>(BGL) (AMSL)</td>
<td>(m)</td>
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<td>Drilling Contractor: Unknown Driller</td>
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<td>Seal Type: from (m): to</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liner:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top (m): Bottom (m):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated How: from (m): to Size:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Screen:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material: OD (mm):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Open Hole: from (m): to</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
<td></td>
</tr>
<tr>
<td>Testing:</td>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<table>
<thead>
<tr>
<th>Laboratory:</th>
<th>Electrical Log: No</th>
<th>Electrical Well Field Verified: No</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit):</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Calcium</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Carbonate</td>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Alumnum</td>
<td>Barium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
</tr>
</tbody>
</table>

Remarks: Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 45.7 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to (mm):  

### Casing:

- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- ** OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Liner:

- **Type:**  
  - **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:

- **Material:**  
  - **OD (mm):** from (m): to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**  
  - **Intake (m):**

### Testing:

- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
</thead>
</table>

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** Transmissivity:
- **Aquifer Test:** Storativity:
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 35-051-26 W4M**

**Well Number:** 00992

**Well Owner:** Schnell, Grace

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 695  
**AEP:** 166527  
**Licence No.:** Easting: 84,693.31  
**Date Started:** Northing: 5,919,873.00  
**Date Completed:** 19 May 92

<table>
<thead>
<tr>
<th>Well Use: Domestic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
</tr>
<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
</tr>
<tr>
<td>Completed Depth: <strong>56.4</strong> (m)</td>
</tr>
<tr>
<td>NPWL (m): <strong>21.3</strong></td>
</tr>
</tbody>
</table>

**Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 52.4  
  **Bottom (m):** 52.4
- **OD (mm):** 141.2  
  **Thickness (mm):** 0.1

**Seal Type:** Formation Seal

**from (m):** to 3.7

**Liner:**

- **Type:** St
- **OD (mm):** 1.2  
  **Thickness (mm):**
- **Top (m):** Bottom (m):  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

**Screen:**

- **Material:** St
- **OD (mm):** 52.4  
  **Bottom (m):** 54.0  
  **Size:** 0.01
- **Thickness (mm):**
- **Perforated How:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 91.2  
  **Time (minute):** 420.0
- **Level End (m):** Drawdown (m): 1.5
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbohydrate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Open Hole:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Remarks:**

<table>
<thead>
<tr>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
<td>Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
04-36-051-26 W4M

Well Owner: Royalite Oil Co
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 695
AEP: 280464
Licence No.: Easting: 85,674.75
Date Started: Northing: 5,819,549.65
Date Completed: 23 Apr 51

General:
Type of Work: Structure Test Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth 218.2 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type: from (m):
to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Structure Test Hole
- **Well Use:** Industrial
- **Completed Depth:** 218.2 (m)
- **NPWL (m):** Verified NPWL (m): Abandonment:
- **Drilling Contractor:** Unknown Driller

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Copper:**
- **Phosphate:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Database:** 1.000H
- **AEP Data:** Yes

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Printed on:** 2/20/98
**Well Number** 00995

**Well Owner:** *Wallace, Ralph*

**Elevation (AMSL) (m):** 705

**Drilling Contractor:** *Unknown Driller*

**Date Started:**

**Date Completed:**

**Licence No.:** 284111

**Easting:** 76,534.76

**Northing:** 5,912,129.00

---

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<th>Depth Elevation</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> Chemistry</td>
<td><strong>(BGL) (AMSL)</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
<td>(m) (m)</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Lithologic Description</strong></td>
</tr>
</tbody>
</table>

**Completed Depth:** 73.2 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

---

<table>
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<th><strong>(No Lithologic Information Available)</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Type:</strong></td>
<td></td>
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<tr>
<td><strong>Depth (m):</strong> Bottom (m):</td>
<td></td>
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<tr>
<td><strong>OD (mm):</strong> Thickness (mm):</td>
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</tr>
<tr>
<td><strong>Seal Type:</strong> from (m): to</td>
<td></td>
</tr>
</tbody>
</table>

---

| Liner: | |
|---------| |
| **Type:** | |
| **OD (mm):** Thickness (mm): | |
| **Top (m):** Bottom (m): | |

---

| Screen: | |
|---------| |
| **Material:** | |
| **OD (mm):** from (m): to | Size: |
| **from (m):** to | Size: |

---

| Open Hole: | |
|------------| |
| **from (m):** to | |

---

| Pump: | |
|-------| |
| **Model:** | Intake (m): |
| **Rate (lpm):** | Time (minute): |
| **Level End (m):** Drawdown (m): | |
| **Rec’d intake (m):** | Rec’d Rate (lpm): |

---

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<thead>
<tr>
<th>Laboratory:</th>
<th>Electric Log: No Transmissivity: m³/day</th>
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<tbody>
<tr>
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<td>COD Mercury</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite Molybdenum</td>
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<tr>
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<td>TN Vanadium</td>
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<td>Magnesium</td>
<td>TC Zinc</td>
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<td>Carbonate</td>
<td>DIC Hydroxide</td>
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<td>Beryllium Phosphate</td>
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<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 34.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**

- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>TDS</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Iron</td>
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<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
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<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 00996**

- **Elevation (AMSL) (m):** 703
- **AEP:** 284108
- **Date Started:**
- **Date Completed:**

**Database:**

- **AEP Data:** Yes
- **Well Field Verified:** No
- **Project:** 1.000H

**Electric Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**Transmissivity:** m³/day

**Storativity:**

**Amm. Nitrogen**

**NET 01-051-27 W4M**

**Well Owner:** Bakke, Hes

**Drilling Contractor:** Unknown Driller

**Licence No.:**

**Easting:** 76,980.48

**Northing:** 5,912,591.50

**Printed on:** 2/20/98
Well Number: 00997

Well Owner: Brownly
Drilling Contractor: Kielbauch Drg

Elevation (AMSL) (m): 703
AEP: 284045
Licence No.: Easting: 76,980.48
Date Started: Northing: 5,912,591.50
Date Completed: 27 Apr 71

Depth | Elevation | Lithologic Description
--- | --- | ---
76.2 | 696.9 | Sand
12.2 | 690.8 | Clay
18.3 | 684.7 | Clay
24.4 | 678.6 | Bedrock
30.5 | 672.5 | Clay & Shale
36.6 | 666.5 | Clay & Sand
42.7 | 660.4 | Coal
48.8 | 654.3 | Clay & Sandstone
54.9 | 648.2 | Sand
61.0 | 642.1 | Coal
67.1 | 636.0 | Shale
76.2 | 626.8 | Coal

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic

Completed Depth: 76.2 (m)
NPWL (m): 10.7
Abandonment:

Casing:
Type: Steel
Depth (m): 51.8
OD (mm): 114.3
Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): 88.9
Thickness (mm):
from (m): to

Screen:
Material:
OD (mm):
from (m): to

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 11.4
Time (minute): 720.0
Level End (m): 35.0
Drawdown (m): 24.4
Rec'd intake (m):

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NE 01-051-27 W4M**

**Well Owner:** Butkovic, Joe  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Well Use: <strong>Domestic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Completed Depth: <strong>33.8</strong> (m)</td>
<td></td>
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<tr>
<td>NPWL (m): <strong>11.0</strong></td>
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<tr>
<td>Abandonment:</td>
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<thead>
<tr>
<th>Casing:</th>
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<tbody>
<tr>
<td>Type: <strong>Steel</strong></td>
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<tr>
<td>Depth (m): <strong>32.3</strong> Bottom (m): <strong>32.3</strong></td>
<td></td>
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<tr>
<td>OD (mm): <strong>114.3</strong> Thickness (mm):</td>
<td></td>
<td></td>
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<tr>
<td>Seal Type: <strong>Puddled Clay</strong> from (m): to <strong>22.9</strong></td>
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<th>Liner:</th>
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<tbody>
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<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top (m): Bottom (m):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated How: from (m): to Size:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<table>
<thead>
<tr>
<th>Screen:</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Material: <strong>St</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm): <strong>1.2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): <strong>32.3</strong> to <strong>33.8</strong> Size: <strong>0.01</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
<th></th>
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<tbody>
<tr>
<td>from (m): to</td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Pump:</th>
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</thead>
<tbody>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<th>Testing:</th>
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<tbody>
<tr>
<td>Rate (lpm): <strong>36.5</strong> Time (minute):</td>
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<tr>
<td>Level End (m): Drawdown (m):</td>
<td>Rec'd Rate (lpm):</td>
<td>Rec'd intake (m):</td>
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<tr>
<td>pH (pH unit)</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Chloride</td>
<td>Cadmium</td>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>(BGL)</th>
<th>(AMSL)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td><strong>8.2</strong></td>
<td><strong>691.4</strong></td>
<td>Sand</td>
</tr>
<tr>
<td><strong>23.2</strong></td>
<td><strong>676.5</strong></td>
<td>Clay &amp; Silt</td>
</tr>
<tr>
<td><strong>33.8</strong></td>
<td><strong>666.8</strong></td>
<td>Sand &amp; Coal</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: **1.000H**  
AEP Data: Yes  
Well Field Verified: No

---

printed on 2/20/98
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m (m)
- **NPWL (m):** 76,980.48
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

## Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):

## Perforated Hose:
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Intake (m):

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

## Laboratory:
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<td>Cond. (µS/cm)</td>
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<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td></td>
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<td>Potassium</td>
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<td>Nitrite</td>
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<td>Molybdenum</td>
</tr>
<tr>
<td>Magnesium</td>
<td></td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td></td>
<td>Zinc</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td></td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Barium</td>
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<td>Arsenic</td>
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<tr>
<td>Sulphate</td>
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<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
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<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
<td>Chromium</td>
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<tr>
<td>Iron</td>
<td></td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td></td>
<td>Copper</td>
</tr>
<tr>
<td>Silicon</td>
<td></td>
<td>Lead</td>
</tr>
<tr>
<td>DIC</td>
<td></td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
<tr>
<td>Electric Log</td>
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<td>m²/day</td>
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<tr>
<td>Gamma Log</td>
<td></td>
<td>Storativity:</td>
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<tr>
<td>Aquifer Test</td>
<td></td>
<td>Project: 1.000H</td>
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<tr>
<td>AEP Data</td>
<td></td>
<td>Yes, Well Field Verified: No</td>
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### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Lithologic Description
(No Lithologic Information Available)
**NE 01-051-27 W4M**

<table>
<thead>
<tr>
<th>Well Owner: Cherlyn Holdings Ltd.</th>
<th>Well Number: 01000</th>
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<tr>
<td>Drilling Contractor: Bar-K Water Well Drilling Ltd.</td>
<td>Elevation (AMSL) (m): 703</td>
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<tr>
<td></td>
<td>AEP: 284048</td>
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<tr>
<td></td>
<td>Licence No.: 76,980.48</td>
</tr>
<tr>
<td></td>
<td>Date Started: 09 May 79</td>
</tr>
<tr>
<td></td>
<td>Northing: 5,912,591.50</td>
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<tr>
<td></td>
<td>Date Completed: 09 May 79</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 35.7 (m)
- **NPWL (m):** 9.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 27.7
- **Bottom (m):** 27.7
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Puddled Clay

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 22.9
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **AEP Data:** Yes
- **Verified:** No

### Project:
- **Database:** 1.000H

### Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Well Number:** NE 01-051-27 W4M
- **Well Owner:** Cherlyn Homes
- **Elevation (AMSL) (m):** 703
- **AEP:** 284086
- **Drilling Contractor:** Bar-K Water Well Drilling Ltd.
- **Date Started:** 16 Apr 80
- **Easting:** 76,980.48
- **Licence No.:** Easting: 5,912,591.50
- **Date Completed:** 17 Apr 80

**Well Use:** Domestic  
**Well Use:** Domestic

**Depth Elevation (BGL) (AMSL)**

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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>5.5</td>
<td>697.5</td>
<td>Sand</td>
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<tr>
<td>18.6</td>
<td>684.4</td>
<td>Caprock</td>
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<td>25.0</td>
<td>678.0</td>
<td>Sand</td>
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<td>25.6</td>
<td>677.4</td>
<td>Sandstone</td>
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**Lithologic Description**

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<tr>
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<th>Type</th>
<th>Elevation (BGL) (m)</th>
<th>Elevation (AMSL) (m)</th>
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<tbody>
<tr>
<td>22.6</td>
<td>Steel</td>
<td>Bottom (m): 22.6</td>
<td>Thickness (mm): 0.0</td>
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<tr>
<td>114.3</td>
<td>OD (mm): 114.3</td>
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<tr>
<td>22.6</td>
<td>Seal Type: Puddled Clay</td>
<td>from (m): 22.6</td>
<td>to (m): 25.0</td>
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</tbody>
</table>

**Casing:**
- **Type:** Steel
- **Depth (m):** 22.6
- **Bottom (m):** 22.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0

**Liner:**
- **Type:** Puddled Clay
- **OD (mm):** 22.6
- **Thickness (mm):** 0.0

**Screen:**
- **Material:** Steel
- **OD (mm):** 1.2
- **Thickness (mm):** 0.01

**Open Hole:**
- **from (m):** 22.6
- **to (m):** 25.0

**Pump:**
- **Model:** Intake (m):
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0

**Testing:**
- **Rec'd intake (m):** 21.3
- **Rec'd Rate (lpm):**

### Laboratory:

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<th>Result</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Calcium</td>
<td>TN</td>
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<td>TC</td>
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<td>Results</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td>AEP Data: Yes</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01002

NE 01-051-27 W4M

Well Owner: Cherlyn Homes
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 704
Licence No.: 284079
Date Started: 30 Mar 81
Easting: 76,847.37
Date Completed: 31 Mar 81
Northing: 5,912,336.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 30.5 (m)
NPWL (m): 9.1
Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 26.5
Bottom (m): 26.5
OD (mm): 114.3
Thickness (mm): 0.1
Seal Type: Puddled Clay
from (m): to 18.3

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2
from (m): 26.5 to 29.0
Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 50.2
Time (minute): 420.0
Level End (m):
Drawdown (m):
Rec'd intake (m): 21.3
Rec'd Rate (lpm):

Laboratory:

<table>
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<th>Unit</th>
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<td>TDS</td>
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<td>Sodium</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
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Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-051-27 W4M**

**Well Owner:** Cherlyn Homes  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Depth Elevation (BGL) (AMSL)**

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<td>Sand</td>
<td>7.0</td>
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<tr>
<td>Clay &amp; Boulders</td>
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<td>Sand</td>
<td>32.3</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 32.3 (m)  
- **NPWL (m):** 8.5  
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Steel  
  - **Depth (m):** 28.0  
  - **Bottom (m):** 28.0  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.0  
  - **Seal Type:** Puddled Clay  
  - **from (m):** to 24.4

**Casing:**
- **Type:** Steel  
- **Depth (m):** 28.0  
- **Bottom (m):** 28.0  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0  
- **Seal Type:** Puddled Clay  
- **from (m):** to 24.4

**Liner:**
- **Type:** Steel  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0  
- **Top (m):** 24.4  
- **Bottom (m):** 1.2

**Screen:**
- **Material:** Steel  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0  
- **from (m):** to 30.5  
- **Size:** 0.01

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 27.4  
  - **Time (minute):** 420.0  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** 24.4  
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Selenium:**  
- **Nitrate:** Strontium  
- **Potassium:**  
- **Sulphate:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:**  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Barium:** Manganese  
- **Sodium:**  
- **Sulphate:**  
- **Chloride:**  
- **Iron:**  
- **Copper:**  
- **Screen:**  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate & Nitrite N:**  
- **TOC:**  
- **Calcium:**  
- **Manganese:**  
- **Lead:**  
- **Phosphate:**  
- **Iron:**  
- **Total Phosphate:**  
- **Silica:**  
- **Zinc:**  
- **Pump:**  
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 27.4  
  - **Time (minute):** 420.0  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** 24.4  
  - **Rec'd Rate (lpm):**

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by PFRA in 10TM NAD 27**

**Elevation (AMSL) (m):** 703  
**AEP:** 284083  
**Licence No.:** Easting: 76,980.48  
**Date Started:** 15 Aug 80  
**Norting:** 5,912.591.50  
**Date Completed:** 15 Aug 80  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
## General:

**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 48.8 (m)  
**NPWL (m):** 8.8  
**Abandonment:**  

## Casing:

**Type:** Steel  
**Depth (m):** 31.4  
**OD (mm):** 141.2  
**Thickness (mm):** 0.1  
**Seal Type:** Driven  
**from (m):** to 30.5  

## Liner:

**Type:**  
**OD (mm):** 114.3  
**Thickness (mm):**  
**Top (m):**  
**Bottom (m):** 48.8  

## Perforated How:

**Machine**  
**from (m):** to 48.8  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  

## Screen:

**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  

## Open Hole:

**from (m):** to  

## Pump:

**Model:**  
**Intake (m):**  

## Testing:

**Rate (lpm):** 6.8  
**Time (minute):** 120.0  
**Level End (m):**  
**Drawdown (m):**  
**Rec'd intake (m):**  
**Rec'd Rate (lpm):** 44.2  

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<tr>
<td>Total Alkalinity</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Dry Hole
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
  - NPWL (m): None
  - Veriﬁed NPWL (m): None
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 31.1
  - Bottom (m): 31.1
- **OD (mm):** 141.2
  - Thickness (mm): 0.1
- **Seal Type:** Driven
  - from (m): to 29.9

### Liner:
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m): to
  - from (m): to
  - from (m): to

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to
  - from (m): to
  - from (m): to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 2.3
  - Time (minute): 420.0
- **Level End (m):**
  - Drawdown (m):
  - Rec’d intake (m): Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
  - COD: Mercury
  - SAR: Nickel
  - TKN: Selenium
  - Nitrate: Strontium
  - Nitrite: Molybdenum
  - TN: Vanadium
  - TC: Zinc
  - DIC: Hydroxide
  - Arsenic: Total Hardness
  - Barium: Manganese
  - Beryllium: Phosphorus
  - Cadmium: Ion Balance
  - Chromium: Amm. Nitrogen
  - Cobalt: Total Phosphate
  - Copper: Total Alkalinity
  - Lead: Nitrate&Nitrite N
  - Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
  - Well Field Verified: No

### Water Well Positioned by Mow-Tech in 10TM NAD 27
**NE 01-051-27 W4M**

**Well Number:** 01006

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<th>Well Owner:</th>
<th>Cheryln Homes</th>
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<tr>
<td>Drilling Contractor:</td>
<td>Bar-K Water Well Drilling Ltd.</td>
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<td>Elevation (AMSL) (m):</td>
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<td>284087</td>
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<td>Licence No.:</td>
<td>77,202.86</td>
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<td>Date Started:</td>
<td>15 Apr 80</td>
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<td>Northing:</td>
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<td>Date Completed:</td>
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</table>

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 31.1 (m)
- **NPWL (m):** 8.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 28.7
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 28.7 to 31.1
- **Size:** 0.01
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 36.5
- **Time (minute):** 420.0
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** 22.9
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenite:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Iron:**
- **Barium:**
- **Aluminium:**
- **Arsenic:**
- **Beryllium:**
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- **Beryllium:**
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- **Chromium:**
- **Cobal...
NE 01-051-27 W4M

Well Owner: Cheryln Homes Ltd
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Well Number: 01007
Elevation (AMSL) (m): 703
AEP: 284081
 Licence No.: Easting: 76,892.78
Date Started: 19 Mar 81 Northing: 5,912,606.00
Date Completed: 20 Mar 81

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 52.4 (m)
NPWL (m): 8.2
Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 23.2
Bottom (m): 23.2
OD (mm): 141.2
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 22.9

Liner:
Type:
OD (mm): 114.3
Thickness (mm):
Top (m): Bottom (m): 52.4
Perforated How: Machine
from (m): 33.5 to 52.4 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 6.8
Time (minute): 420.0
Level End (m): Drawdown (m):
Rec'd intake (m): 45.7
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**Well Number: 01008**

**Well Owner:** Duke, Lyle  
**Drilling Contractor:** Unknown Driller

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 34.4 m  
- **Elevation (AMSL) (m):** 703  
- **Verified NPWL (m):** 76,980.48  
- **Abandonment:**

**Casing:**
- **Type:**  
  - Depth (m):  
  - OD (mm):  
  - Seal Type: 
  - from (m):  
  - to  

**Liner:**
- **Type:**  
  - OD (mm):  
  - Top (m):  
  - Perforated How:  
  - from (m):  
  - to  

**Screen:**
- **Material:**  
  - OD (mm):  
  - from (m):  
  - to  

**Open Hole:**
- Total Depth:  
- from (m):  
- to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Beryllium:**  
- **Nitrate:**  
- **Phosphate:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 01-051-27 W4M**

**Well Owner:** Edwards, Charles  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 33.2 m  
- **NPWL (m):** 11.0  
- **Elevation (AMSL) (m):** 76,980.48  
- **Date Started:** 17 Sep 82

#### Casing:
- **Type:** Steel  
- **Depth (m):** 29.6  
- **Bottom (m):** 29.6  
- **OD (mm):** 114.3  
- **Thicknes (mm):** 0.0  
- **Seal Type:** Puddled Clay  
- **from (m):** to 19.8

#### Liner:
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

#### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** to 29.6  
- **to 31.1**  
- **Size:** 0.01

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 45.6  
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Nitrate:**
- **Molybdenum:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-051-27 W4M**

**Well Owner:** Edwards, Chuck  
**Drilling Contractor:** Midwest Drilling Ltd.

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<td>Licence No.:</td>
<td>Easting: 76,930.37</td>
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<td>Date Started: 23 May 95</td>
<td>Northing: 5,912,353.50</td>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 34.1 m  
  **NPWL (m):** 11.3  
  **Verified NPWL (m):**
- **Abandonment:**

#### Casings:
- **Type:** Plastic  
- **Depth (m):** 30.5  
  **Bottom (m):** 30.5  
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tablet  
  **from (m):** 27.4  
  **to 29.0**

#### Liner:
- **Type:**
  - **OD (mm):**
    - **Top (m):**
    - **Bottom (m):**
    - **Perforated How:**
      - **from (m):**
      - **to  Size:**
      - **from (m):**
      - **to  Size:**
      - **from (m):**
      - **to  Size:**

#### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
  **from (m):** 30.5  
  **to 32.0**  
  **Size:**
- **from (m):**
- **to  Size:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 27.4
- **Testing:**
  - **Rate (lpm):** 91.2  
  - **Time (minute):** 120.0  
  - **Level End (m):** 24.4  
  - **Drawdown (m):** 13.1  
  - **Rec'd intake (m):** 24.4  
  - **Rec'd Rate (lpm):** 45.6

#### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
  - **Material:**
  - **OD (mm):**
  - **Size:**
  - **Open Hole:**
  - **Pump:**
  - **Model:**
  - **Intake (m):**
  - **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Depth Elevation

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<tr>
<td>0.6</td>
<td>701.6</td>
<td>Topsoil</td>
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<td>7.0</td>
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<td>Sand &amp; Coal Brown</td>
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<td>11.0</td>
<td>691.2</td>
<td>Sand &amp; Gravel Pea Brown</td>
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<td>16.8</td>
<td>685.4</td>
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<td>17.7</td>
<td>684.5</td>
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<td>19.5</td>
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<td>32.6</td>
<td>669.6</td>
<td>Sand &amp; Coal Gray</td>
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<tr>
<td>34.1</td>
<td>668.1</td>
<td>Siltstone</td>
</tr>
</tbody>
</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**NE 01-051-27 W4M**

**Well Owner:** Foisy, Eric  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.  

**Well Number:** 01011  
**Elevation (AMSL) (m):** 703  
**AEP:** 185961  
**Licence No.:** Easting: 76,980.48  
**Date Started:** 23 Sep 92  
**Nothing:** 5,912,591.50  
**Date Completed:** 24 Sep 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 32.6 (m)  
- **NPWL (m):** 9.1  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 27.7  
- **Bottom (m):** 27.7  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- from (m): to 18.3

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- from (m): to  
- from (m): to  
- from (m): to

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 27.7 to 29.3  
- **Size:** 0.01  
- **from (m):** to  
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 18.3

### Testing:
- **Rate (lpm):** 36.5  
- **Time (minute):** 420.0  
- **Level End (m):** 11.0  
- **Drawdown (m):** 1.8  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Mercury:**  
- **(µS/cm):**  
- **TDS:**  
- **TN:**  
- **TKN:**  
- **Sodium:**  
- **Strontium:**  
- **Nitrate:**  
- **Selenium:**  
- **Potassium:**  
- **Vanadium:**  
- **Calcium:**  
- **Molybdenum:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **DIC:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Phosphate:**  
- **Beryllium:**  
- **Ion Balance:**  
- **Cadmium:**  
- **Iron:**  
- **Total Phosphate:**  
- **TOC:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**  
- **Transmissivity:** m²/day

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**printed on 2/20/98**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 38.1 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Arsenic:**
- **Barium:**
- **Molybdenum:**
- **TC:**
- **DIC:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Potassium:**
- **Vanadium:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 01-051-27 W4M**

**Well Owner:** Hiller, Daniel  
**Drilling Contractor:** Unknown Driller

**Well Number:** 01013  
**Elevation (AMSL) (m):** 703  
**AEP:** 284107  
**Date Started:**  
**Date Completed:**

**Well Use:** Domestic  
**Licence No.:** Easting: 76,980.48  
**Northing:** 5,912,591.50

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 35.0 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole
- **Model:**  
- **Pump:** Intake (m):  
- **Tests:**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TC Zinc  
- **Magnesium:** DIC Hydroxide  
- **Carbonate:** Arsenic Total Hardness  
- **Bicarbonate:** Barium Manganese  
- **Aluminum:** Sulphate Phosphate  
- **Beryllium:** Chloride Ion Balance  
- **Cadmium:** Fluoride Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

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<thead>
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<th>Electric Log</th>
<th>Transmissivity (m²/day)</th>
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<tbody>
<tr>
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<table>
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<th>Database</th>
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<table>
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<th>Well Field Verified</th>
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</thead>
<tbody>
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<td>No</td>
</tr>
</tbody>
</table>
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 64.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

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<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>KTN</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
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<td>Sulphate</td>
<td>Beryllium</td>
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<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
<td>Chromium</td>
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<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-051-27 W4M**

**Well Number:** 01015

**Well Owner:** Homes, Cherlyn

Drilling Contractor: Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 701

**AEP:** 284058

**Licence No.:**

**Date Started:** 04 Nov 80

**Easting:** 77,054.09

**Northing:** 5,912,717.00

**Date Completed:** 04 Nov 80

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 34.1 (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 31.1
- **Bottom (m):** 31.1
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to 27.4

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 31.1
- **to 33.5**
- **Size:** 0.01
- **from (m):**
- **to**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 100.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):** 27.4
- **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbamate:**
- **Bicarbonate:**
- **Carbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Model:**
- **Intake (m):**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

- 8.5 692.8 Sand
- 12.8 688.5 Clay Silty
- 29.9 671.4 Clay
- 33.2 668.1 Sand
- 34.1 667.2 Shale

---

**Electric Log:** No
**Transmissivity:** m²/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

---

printed on 2/20/98
Well Owner: Homes, Cherlyn
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 700
AEP: 284052
Licence No.: Easting: 77,035.29
Date Started: 07 May 79
Northing: 5,912,939.50
Date Completed: 08 May 79

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 42.7 (m)
NPWL (m): 7.6
Abandonment:

Casing:
Type: Steel
Depth (m): 24.4
Bottom (m): 24.4
OD (mm): 141.2
Thickmess (mm): 0.1
Seal Type: Driven
from (m): to

Liner:
Type:
OD (mm): 114.3
Thickness (mm):
Top (m): Bottom (m): 42.7
Perforated How: Machine
from (m): to

Screen:
Material:
OD (mm):
from (m): to
from (m): to
from (m): to

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rec'd intake (m):
Rec'd Rate (lpm):
Time (minute): 420.0
Rate (lpm):
Level End (m):
Drawdown (m):

Labaratory:
pH: 7.9
COD: Mercury
Cond. (µS/cm): 9.4
SAR: Nickel
TDS: TKN:
Sodium: Nitrate
Sulfate: Molybdenum
Potassium: Nitrite
Calcium: Vanadium
Magnesium: TN:
Carbonte: DIC:
Bicarbonate: Arsenic
Aluminum: Total Hardness
Beryllium: Total Phosphate
Barium: Manganese
Beryllium: Phospate
Cadmium: Ion Balance
Chromium: Amm. Nitrogen
Copper: Total Alkalinity
Cadmium: Lead
Selenium: Nitrate
Silver: Nitrite
Beryllium: Phosphate
Calcium: Bicarbonate
Manganesse: Strontium
Chloride: Calcium
Magnesium: Zinc

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
### General:
- **Type of Work:** Dry Hole
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
  - NPWL (m): Verified NPWL (m):
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 42.7 Bottom (m): 42.7
  - **OD (mm):** 114.3 Thickness (mm): 0.0
  - **Seal Type:** Formation Packer
  - **from (m):** to 30.8

### Casing:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to **Size:**
    - from (m): to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** **Time (minute):**
  - **Level End (m):** **Drawdown (m):**
  - **Rec'd intake (m):** **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
  - **Cond. (µS/cm):** SAR
  - **TDS:** TKN
  - **Sodium:** Nitrate
  - **Potassium:** Nitrite
  - **Calcium:** TN
  - **Magnesium:** TC
  - **Carbonate:** DIC
  - **Bicarbonate:** Arsenic
  - **Aluminum:** Barium
  - **Sulphate:** Beryllium
  - **Chloride:** Cadmium
  - **Fluoride:** Chromium
  - **Iron:** Cobalt
  - **TOC:** Copper
  - **Silica:** Lead
  - **Total Hardness:** Total Alkalinity
  - **DIC:** Bicarbonate
  - **Hydroxide:**
  - **Arsenic:**
  - **Total Hardness:**
  - **Amm. Nitrogen:**
  - **Manganese:**
  - **Phosphate:**
  - **Ion Balance:**
  - **Selenium:**
  - **Sodium:**
  - **Nitrite:**
  - **Molybdenum:**
  - **Nitrate:**
  - **Vanadium:**
  - **Barium:**
  - **Phosphate:**
  - **Cadmium:**
  - **Amm. Nitrogen:**
  - **Iron:**
  - **TOC:**
  - **Silica:**
  - **Lead:**

### Depth Elevation (BGL) (AMSL):
- **(m) m**
  - 8.5 693.5 Sand
  - 29.9 672.1 Clay & Boulders
  - 30.8 671.2 Shale Sandy
  - 38.4 663.6 Shale
  - 41.5 660.5 Sandstone
  - 42.7 659.3 Shale

### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number:** 01018  
**Well Owner:** Homes, Cherlyn  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 704  
**Lithologic Description**

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<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BGL) (AMSL) (m)</td>
<td>(m)</td>
</tr>
</tbody>
</table>

**General:**
- Type of Work: Chemistry  
- Drilling Method: Drilled  
- Well Use: Domestic  
- Completed Depth: 50.3 (m)  
- NPWL (m): Verified NPWL (m):  
- Abandonment:
  - Type:
  - Depth (m): Bottom (m):  
  - OD (mm): Thickness (mm):  
  - Seal Type: from (m): to  

**Casing:**
- Type:
- OD (mm): Thickness (mm):  
- Top (m): Bottom (m):  
- Perforated How: from (m): to  
  - Size:  
- from (m): to  
  - Size:  
- from (m): to  
  - Size:  

**Liner:**
- OD (mm): Thickness (mm):  
- Top (m): Bottom (m):  
- Perforated How: from (m): to  
  - Size:  
- from (m): to  
  - Size:  
- from (m): to  
  - Size:  

**Screen:**
- Material:
- OD (mm): from (m): to  
  - Size:  
- from (m): to  
  - Size:  
- from (m): to  
  - Size:  

**Open Hole:**
- from (m): to  

**Pump:**
- Model:  
- Intake (m):  

**Testing:**
- Rate (lpm): Time (minute):  
- Level End (m): Drawdown (m):  
- Rec'd intake (m): Rec'd Rate (lpm):  

**Laboratory:**
- pH (pH unit)  
- Cond. (µS/cm)  
- TDS  
- Sodium  
- Potassium  
- Calcium  
- Magnesium  
- Carbonate  
- Bicarbonate  
- Aluminium  
- Sulphate  
- Chloride  
- Fluoride  
- Iron  
- TOC  
- Silica  
- Mercury  
- Nickel  
- Strontium  
- Molybdenum  
- Vanadium  
- Zinc  
- Hydroxide  
- Total Hardness  
- Manganese  
- Phosphate  
- Ion Balance  
- Amm. Nitrogen  
- Total Phosphate  
- Total Alkalinity  
- Nitrate & Nitrite  
- Lead  
- Nitrate  
- Phosphate  
- Project:  
- Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No  

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27  
- Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 50.3 (m)
NPWL (m): 15.2 Verified NPWL (m):
Abandonment:

**Casing:**
Type: Plastic
Depth (m): 36.6 Bottom (m): 36.6
OD (mm): 152.4 Thickness (mm): 0.2
Seal Type: Shale Trap & Bentoni
from (m): 33.5 to 36.6

**Liner:**
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 33.5 Bottom (m): 50.3
Perforated How: Saw
from (m): 42.7 to 50.3 Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

**Open Hole:**
from (m): to

**Pump:** Sub
Model: Berkley Intake (m): 30.5

**Testing:**
Rate (lpm): 36.5 Time (minute): 180.0
Level End (m): 30.5 Drawdown (m): 15.2
Rec'd intake (m): 36.6 Rec'd Rate (lpm): 27.4

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silicon: Lead Nitrate & Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.3</td>
<td>683.7</td>
<td>Silt Brown</td>
</tr>
<tr>
<td>27.4</td>
<td>674.5</td>
<td>Sand</td>
</tr>
<tr>
<td>33.5</td>
<td>688.4</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>38.1</td>
<td>663.9</td>
<td>Shale Green</td>
</tr>
<tr>
<td>42.7</td>
<td>659.3</td>
<td>Sandstone</td>
</tr>
<tr>
<td>47.2</td>
<td>654.7</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>50.3</td>
<td>651.7</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>

**Electric Log:** No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
### General:
- **Well Number:** 01020
- **Well Owner:** Kutyn, John
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### Elevation and Lithologic Description:
- **Elevation (AMSL) (m):** 700
- **Elevation (BGL) (m):** 177
- **Lithologic Description:***
  - **1.8** 697.9 Clay Yellow
  - **7.6** 692.2 Sand
  - **15.5** 684.2 Clay & Rocks Blue
  - **19.5** 680.3 Shale Sandy Gray
  - **32.0** 667.8 Shale Green
  - **34.8** 665.0 Shale Green
  - **36.6** 663.2 Shale Sandy Gray
  - **44.5** 655.3 Sandstone
  - **46.9** 652.8 Shale Green

### Drilling Information:
- **Well Use:** Domestic
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Completed Depth:** 46.9 (m)
  - NPWL (m): 9.1
- **Abandonment:**
- **Well Owner:** AEP
- **Elevation (AMSL) (m):** 700
- **Licence No.:** Easting: 77,201.30
- **Date Started:** 13 Mar 81
- **Drilling Contractor:** Northing: 5,912,928.50
- **Date Completed:** 16 Mar 81

### Lithologic Description:
- **Type:** Steel
- **Depth (m):** 34.1  
- **Bottom (m):** 34.1
- **OD (mm):** 141.2
- **Thicknor (mm):** 46.0
- **Seal Type:** Loose
- **from (m):** 34.1  
- **to:** 34.1

### Liner:
- **Type:** Torch
- **OD (mm):** 114.3
- **Thicknor (mm):** 46.0
- **Top (m):** 34.1  
- **Bottom (m):** 34.1

### Screen:
- **Material:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Intake (m): 22.9
- **Testing:**
  - **Rate (lpm):** 31.9  
  - **Time (minute):** 420.0
  - **Level End (m):** 22.9
  - **Drawdown (m):** 13.7
  - **Rec'd intake (m):** 22.9

### Laboratory:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

---

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 01-051-27 W4M**

**Well Owner:** Kutzk, John  
**Drilling Contractor:** Unknown Driller

**Well Number 01021**  
**Elevation (AMSL) (m):** 703  
**AEP:** 284104  
**Easting:** 76,980.48  
**Northing:** 5,912,591.50

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL) (m) (m)</th>
<th>Lithologic Description</th>
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<tr>
<td>Chemistry</td>
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<tr>
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<tr>
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<tr>
<td>Domestic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Completed Depth:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>46.0</td>
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<td></td>
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<tr>
<td>NPWL (m):</td>
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<td></td>
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<td>Verified NPWL (m):</td>
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<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
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<td></td>
</tr>
<tr>
<td>Type:</td>
<td>Bottom (m):</td>
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</tr>
<tr>
<td>Depth (m):</td>
<td>Thickness (mm):</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
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<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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</tr>
<tr>
<td>Liner:</td>
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<tr>
<td>Type:</td>
<td></td>
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<tr>
<td>OD (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
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<td></td>
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<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Screen:</td>
<td></td>
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<tr>
<td>Material:</td>
<td></td>
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</tr>
<tr>
<td>OD (mm):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<td></td>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<td></td>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td></td>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<thead>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD Mercury</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR Nickel</td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td>TKN Selenium</td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN Vanadium</td>
<td></td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC Zinc</td>
<td></td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
<td></td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
<td></td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium Manganese</td>
<td></td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium Phosphate</td>
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</tr>
<tr>
<td>Chloride</td>
<td>Cadmium Ion Balance</td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
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</tr>
<tr>
<td>Iron</td>
<td>Cobalt Total Phosphate</td>
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</tr>
<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
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</tr>
<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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<tr>
<td></td>
<td>Electric Log: No</td>
<td>Transmissivity: m³/day</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td></td>
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<table>
<thead>
<tr>
<th>Remarks:</th>
<th>AEP Data: Yes</th>
<th>Well Field Verified: No</th>
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Water Well Positioned by PFRA in 10TM NAD 27
### Well Information:

**Well Number:** 01022  
**Well Owner:** Ligckessel, Manfred  
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Elevation (AMSL) (m)</td>
<td>703</td>
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<tr>
<td>Licence No.</td>
<td>284088</td>
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<tr>
<td>Date Started</td>
<td></td>
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<tr>
<td>Date Completed</td>
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</tr>
<tr>
<td>Easting</td>
<td>76,980.48</td>
</tr>
<tr>
<td>Northing</td>
<td>5,912,591.50</td>
</tr>
</tbody>
</table>

### General Information:

- **Type of Work:** Chemistry  
- **Well Use:** Domestic  
- **Completed Depth:** 22.9 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:** |

### Casing:

<table>
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<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Type</td>
<td></td>
</tr>
</tbody>
</table>
| Depth (m): | Bottom (m):  
| OD (mm): | Thickness (mm):  
| Seal Type |  
| from (m): | to |

### Liner:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Type</td>
<td></td>
</tr>
</tbody>
</table>
| OD (mm): | Thickness (mm):  
| Top (m): | Bottom (m):  
| Perforated How: |  
| from (m): | to  
| from (m): | to  
| from (m): | to |

### Screen:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td></td>
</tr>
</tbody>
</table>
| from (m): | to  
| from (m): | to  

### Open Hole:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
</tbody>
</table>

### Pump:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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<tbody>
<tr>
<td>Model</td>
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<tr>
<td>Intake (m):</td>
<td></td>
</tr>
</tbody>
</table>
| Rate (lpm): | Time (minute):  
| Level End (m): | Drawdown (m):  
| Rec’d intake (m): | Rec’d Rate (lpm): |

### Laboratory:

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**

### Database:

- **Project:** 1.000H

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27

*Printed on 2/20/98*
**Well Number: 01023**

**Well Owner:** Mcpherson, Cody  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 703  
**Licence No.:** 284074  
**Date Started:** 16 Apr 81  
**Date Completed:** 20 Apr 81

<table>
<thead>
<tr>
<th>General</th>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 30.5</td>
<td>8.8</td>
<td>8.8</td>
<td>Sand</td>
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<td><strong>NPWL (m):</strong> 8.8</td>
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<tr>
<td><strong>Verified NPWL (m):</strong></td>
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</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Casting                                                                |        |            |                       |
| **Type:** Steel                                                       |        |            |                       |
| **Depth (m):** 28.0                                                   |        |            |                       |
| **Bottom (m):** 28.0                                                  |        |            |                       |
| **OD (mm):** 114.3                                                    |        |            |                       |
| **Thicknes (mm):** 0.0                                                |        |            |                       |
| **Seal Type:** Puddled Clay                                           |        |            |                       |
| **from (m):** to 15.2                                                |        |            |                       |

| Liner                                                                  |        |            |                       |
| **Type:**                                                           |        |            |                       |
| **OD (mm):**                                                         |        |            |                       |
| **Thickness (mm):**                                                  |        |            |                       |
| **Top (m):**                                                         |        |            |                       |
| **Bottom (m):**                                                      |        |            |                       |
| **Perforated How:**                                                  |        |            |                       |
| **from (m):** to 15.2                                                |        |            |                       |
| **Size:**                                                            |        |            |                       |
| **from (m):** to 15.2                                                |        |            |                       |
| **Size:**                                                            |        |            |                       |
| **from (m):** to 15.2                                                |        |            |                       |

| Screen                                                                 |        |            |                       |
| **Material:** St                                                      |        |            |                       |
| **OD (mm):** 1.2                                                     |        |            |                       |
| **from (m):** to 28.0                                                |        |            |                       |
| **Size:** 0.02                                                       |        |            |                       |
| **from (m):** to 28.0                                                |        |            |                       |
| **from (m):** to 28.0                                                |        |            |                       |
| **Size:**                                                            |        |            |                       |

| Open Hole                                                             |        |            |                       |
| **from (m):**                                                        |        |            |                       |

| Pump                                                                   |        |            |                       |
| **Model:**                                                           |        |            |                       |
| **Intake (m):**                                                      |        |            |                       |
| **Testing:**                                                         |        |            |                       |
| **Rate (lpm):** 68.4                                                  |        |            |                       |
| **Time (minute):** 420.0                                             |        |            |                       |
| **Level End (m):**                                                   |        |            |                       |
| **Drawdown (m):**                                                    |        |            |                       |
| **Rec'd intake (m):** 24.4                                           |        |            |                       |
| **Rec'd Rate (lpm):**                                                |        |            |                       |

<table>
<thead>
<tr>
<th>Laboratory</th>
<th>Electric Log</th>
<th>Transmissivity</th>
<th>m³/day</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH (pH unit)</strong></td>
<td>No</td>
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<td></td>
</tr>
<tr>
<td><strong>Cond. (µS/cm)</strong></td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TDS</strong></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sodium</strong></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nitrate</strong></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Strontium</strong></td>
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<td><strong>Potassium</strong></td>
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<tr>
<td><strong>Nitrite</strong></td>
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</tr>
<tr>
<td><strong>Molybdenum</strong></td>
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<td><strong>Zinc</strong></td>
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<td><strong>DIC</strong></td>
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<td><strong>Hydroxide</strong></td>
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<td><strong>Arsenic</strong></td>
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<td><strong>Total Hardness</strong></td>
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</tr>
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<td><strong>Barium</strong></td>
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<td><strong>Manganese</strong></td>
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<td>** Sulphate**</td>
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<td><strong>Ion Balance</strong></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fluoride</strong></td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Chromium</strong></td>
<td>Yes</td>
<td></td>
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<tr>
<td><strong>Amm. Nitrogen</strong></td>
<td>Yes</td>
<td></td>
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<tr>
<td><strong>Iron</strong></td>
<td>Yes</td>
<td></td>
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<tr>
<td><strong>Cobalt</strong></td>
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<td></td>
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<tr>
<td><strong>Total Phosphate</strong></td>
<td>Yes</td>
<td></td>
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</tr>
<tr>
<td><strong>TOC</strong></td>
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<tr>
<td><strong>Copper</strong></td>
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<td><strong>Silica</strong></td>
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<tr>
<td><strong>Lead</strong></td>
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<tr>
<td><strong>Nitrate&amp;Nitrite N</strong></td>
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<td></td>
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<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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<table>
<thead>
<tr>
<th>Remarks</th>
<th>Project:</th>
<th>Database:</th>
<th>1.000H</th>
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<tbody>
<tr>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
<td>AEP Data:</td>
<td>Yes</td>
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<tr>
<td></td>
<td>Well Field Verified: No</td>
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</table>
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):** 76,903.74
- **Verified NPWL (m):** 
- **Abandonment:** 

### Casing:
- **Type:** 
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:** 
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** 
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

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<tr>
<th>Chemical Constituents</th>
<th>Value</th>
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<tr>
<td>Mercury</td>
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<td>Nickel</td>
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<tr>
<td>Selenium</td>
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<tr>
<td>Strontium</td>
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<tr>
<td>Molybdenum</td>
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<td>Vanadium</td>
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<td>Zinc</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
<td></td>
</tr>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
NE 01-051-27 W4M

Well Owner: **Vani, Frank**
Drilling Contractor: **Grove Drilling Enterprises (1980) Ltd.**

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<th>Well Number: 01025</th>
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<tr>
<td>Elevation (AMSL) (m): 703</td>
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<tr>
<td>AEP: 284098</td>
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<tr>
<td>Licence No.: Easting: 76,980.48</td>
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<tr>
<td>Date Started: 08 Mar 84 Northing: 5,912,591.50</td>
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<tr>
<td>Date Completed: 09 Mar 84</td>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
  - NPWL (m): 8.2
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** Driven
    - **from (m):** to
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
    - **Thickness (mm):** 0.0
    - **Top (m):** Bottom (m): 23.5
  - **Perforated How:** Torch
    - **from (m):** 15.5 to 21.6
    - **Size:**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 22.9
- **Testing:**
  - **Rate (lpm):** 11.4
    - **Time (minute):** 420.0
  - **Level End (m):** Drawdown (m):
    - **Rec'd intake (m):** 22.9
    - **Rec'd Rate (lpm):** 13.7

### Lithologic Description

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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>9.8</td>
<td>693.3</td>
<td>Sand</td>
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<tr>
<td>19.5</td>
<td>683.5</td>
<td>Clay</td>
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<td>21.3</td>
<td>681.7</td>
<td>Sandstone</td>
</tr>
<tr>
<td>30.2</td>
<td>672.9</td>
<td>Shale</td>
</tr>
<tr>
<td>31.1</td>
<td>671.9</td>
<td>Sandstone</td>
</tr>
<tr>
<td>61.0</td>
<td>642.1</td>
<td>Shale</td>
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<tr>
<td>62.8</td>
<td>640.2</td>
<td>Sandstone</td>
</tr>
<tr>
<td>64.0</td>
<td>639.0</td>
<td>Shale</td>
</tr>
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</table>

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

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<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tr>
<td><strong>pH:</strong> 7.0</td>
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<td><strong>Nitrate:</strong> 0.2</td>
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<td><strong>Nitrite:</strong> 0.005</td>
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<tr>
<td><strong>Beryllium:</strong> 0.005</td>
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<td><strong>Cadmium:</strong> 0.005</td>
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<tr>
<td><strong>Chromium:</strong> 0.005</td>
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<td><strong>Barium:</strong> 0.005</td>
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<td><strong>Arsenic:</strong> 0.005</td>
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<td><strong>Chloride:</strong> 0.005</td>
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<td><strong>Fluoride:</strong> 0.005</td>
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<tr>
<td><strong>Iron:</strong> 0.005</td>
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### Electric Log:
- **Transmissivity:** 1.000H
- **Gamma Log:** No
- **Aquifer Test:** No
- **Project:** Yes
- **AEP Data:** Database: 1.000H

### Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**NE 01-051-27 W4M**

**Well Owner:** Wallace, R.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 703

**Licence No.:** AEP: 284101

**Date Started:**

**Norting:** 5,912,591.50

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<th>Well Number</th>
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**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth** 85.3 (m)
  - NPWL (m):
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - Depth (m):
  - Thickness (mm):
- **Seal Type:**
  - from (m):
  - to

**Liner:**
- **Type:**
  - OD (mm):
  - Thickness (mm):
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

**Open Hole:**
- **from (m):**
- to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Beryllium:**
- **Barium:**
- **Manganese:**
- **Calcium:**
- **Nitrite:**
- **Molybdenum:**
- **Silicate:**
- **Material:**
- **Material:**
- **Octanol/water partition coefficient (Kow):**
- **Solubility (g/l):**
- **Biocidal Activity:**
- **Biocidal Activity:**
- **Biocidal Activity:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.”

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

*Chemical Constituents are in mg/l (ppm). Except as noted.*  
*Remarks:*

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 01-051-27 W4M**

**Well Owner:** Weckesser, Manfred  
**Drilling Contractor:** Midwest Water Well Ltd.

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<td><strong>Date Completed:</strong> 15 Apr 93</td>
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<tr>
<td><strong>Easting:</strong> 76,648.48</td>
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<tr>
<td><strong>Northing:</strong> 5,912,540.00</td>
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<table>
<thead>
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<th>General:</th>
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<tr>
<td><strong>Type of Work:</strong> New Well</td>
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<td><strong>Completed Depth:</strong> 27.4 (m)</td>
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<td><strong>NPWL (m):</strong> 10.7</td>
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<td><strong>Bottom (m):</strong> 22.3</td>
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<td><strong>OD (mm):</strong> 152.4</td>
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<td><strong>Thickness (mm):</strong> 0.1</td>
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<td><strong>Seal Type:</strong> Bentonite Chips/Tablet</td>
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<td><strong>from (m):</strong> to 27.4</td>
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</tr>
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<td><strong>Material:</strong> St</td>
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<th>Open Hole:</th>
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<td><strong>from (m):</strong> to</td>
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<th>Pump:</th>
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<tr>
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<td><strong>Rec'd Rate (lpm):</strong> 22.8</td>
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<td><strong>pH (pH unit):</strong></td>
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<tr>
<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>TDS:</strong></td>
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<td><strong>Sodium:</strong></td>
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<thead>
<tr>
<th>Electric Log: No</th>
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<tbody>
<tr>
<td><strong>Transmissivity:</strong> m²/day</td>
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<td><strong>Gamma Log: No</strong></td>
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<td><strong>Storativity:</strong></td>
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<td><strong>Aquifer Test: No</strong></td>
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<td><strong>AEP Data: Yes</strong></td>
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<td><strong>Well Field Verified: No</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
**NE 01-051-27 W4M**

**Well Owner:** Zaft, Hal

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

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<td>Date Started:</td>
<td>03 Oct 83</td>
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<td>Date Completed:</td>
<td>05 Oct 83</td>
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<tr>
<td>Easting:</td>
<td>5,912,466.50</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 8.2
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 37.2
  - **Bottom (m):** 37.2
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 36.6

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 36.6
- **Bottom (m):** 48.8
- **Perforated How:** Machine
- **from (m):** to 48.8
- **Size:**
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**
- **Intake (m):** 16.8

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 16.8
- **Drawdown (m):** 8.5
- **Rec’d intake (m):** 39.6
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth**

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<th>(m)</th>
<th>(m)</th>
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<td>36.3</td>
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<td>42.1</td>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 01-051-27 W4M**

**Well Owner:** Boye, John  
Drilling Contractor: McGinn, Gerald Drilling Ltd.

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**Date Started:** 22 Dec 68  
**Date Completed:**  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 96.0 (m)  
- **NPWL (m):** 24.4  
- **Verifined NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 34.8  
- **Bottom (m):** 34.8  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Seal Type:** Driven  
- **from (m):** to  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **Open Hole:**  
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 11.4  
- **Time (minute):** 60.0  
- **Level End (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 60.4  
- **Drawdown (m):** 36.0  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrte:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphorus:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation (BGL) (AMSL):

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### Electric Log: No  
Gamma Log: No  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**SE 01-051-27 W4M**

**Well Number: 01030**

- **Well Owner:** Mcmillin, Raymond
- **Drilling Contractor:** Bar-K Water Well Drilling Ltd.

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### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

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<td>48.8 (m)</td>
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### Abandonment:

- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 29.0
  - **Bottom (m):** 29.0
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
  - **from (m):** 28.7
  - **to: 48.8**

### Liner:

- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 27.7
  - **Bottom (m):** 48.8

### Perforated How:

- **Machine**
  - **from (m):** 42.7
  - **to: 48.8**
  - **Size:**
  - **from (m):**
  - **to: 48.8**
  - **Size:**
  - **from (m):**
  - **to: 48.8**

### Screen:

- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to: 48.8**
  - **Size:**
  - **from (m):**
  - **to: 48.8**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):** 39.6

### Testing:

- **Rate (lpm):** 45.6
  - **Time (minute):** 470.0
- **Level End (m):** 14.9
  - **Drawdown (m):** 5.2
- **Rec'd intake (m):**

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **No**

### Gamma Log:

- **No**

### Aquifer Test:

- **No**

### Project:

- **Database: 1.000H**

### AEP Data:

- **Yes**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 69.5 m
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Unknown
- **Depth (m):** 26.2
- **Bottom (m):** 26.2
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
- **Open Hole:**
  - **from (m):**
  - **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 5.7
- **Time (minute):** 300.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Manganese:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **AEP Data:**
- **Database:** 1.000H
- **Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.6 (m)
  - NPWL (m): 9.1
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 35.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 24.1
- **Bottom (m):** 56.7
- **Perforated How:** Torch
- **from (m):** 35.0 to 56.7
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 36.6

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 36.6
- **Drawdown (m):** 27.4
- **Rec’d intake (m):**

**Laboratory:**
- **COD**
- **SAR**
- **TKN**
- **STN**
- **TC**
- **DIC**
- **SAL**
- **Ni**
- **Selenium**
- **Phosphorus**
- **Molybdenum**
- **Bicarbonate**
- **Carbonate**
- **Arsenic**
- **Manganese**
- **Sulphate**
- **Beryllium**
- **Chloride**
- **Cadmium**
- **Fluoride**
- **Chromium**
- **Iron**
- **TOC**
- **Silica**
- **Lead**
- **Nitrate & Nitrite**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
### NW 02-051-27 W4M

**Well Owner:** Gray, Allan  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01034
Elevation (AMSL) (m): 703
AEP: 284121
Date Started: 17 Jun 81
Licence No.: 74,554.65
Date Completed: 19 Jun 81
Northing: 5,912,273.15

### General:
- **Type of Work:** Dry Hole
- **Drilling Method:** Bored
- **Well Use:** Domestic

### Completed Depth:
- **27.4 m**
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
  - **from (m):** to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Depth Elevation
- **(BGL) (AMSL) Lithologic Description**
  - **3.7 699.2** Clay & Sand Silty
  - **13.7 689.1** Clay Blue
  - **16.5 686.4** Shale & Sandstone
  - **27.4 675.4** Clay & Boulders Blue

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
**NW 02-051-27 W4M**

**Well Owner:** Sparrow Dev Ltd.

**Drilling Contractor:** Summer's Drilling Ltd.

**Well Number 01035**

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**General:**

- **Type of Work:** Dry Hole-Abandoned
- **Drilling Method:** Bored
- **Well Use:** Domestic

**Completed Depth:** 23.8 m

**NPWL (m):** Verified NPWL (m):

**Abandonment:** Unknown 16 Jun 81

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m): Intake (m):

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m): Rec'd intake (m):
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 8.2
- **Verified NPWL (m):**
- **Abandonment:**

#### Casting:
- **Type:** Plastic
- **Depth (m):** 47.9
- **Bottom (m):** 47.9
- **OD (mm):** 125.7
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite & Cement
- **from (m):** to 18.3

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 47.9
- **to:** 49.4
- **Size:** 0.01
- **from (m):**
- **to:**

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Model:**
- **Intake (m):** 36.6

#### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Drawdown (m):** 28.4
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

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### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**
SE 02-051-27 W4M

Well Owner: Kick, Urs
Drilling Contractor: Unknown Driller

Well Number: 01037
Elevation (AMSL) (m): 704
AEP: 284112
Licence No.: Easting: 75,312.77
Date Started: Northing: 5,911,662.00
Date Completed:

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Completed Depth 39.9 (m)

NPWL (m): Verified NPWL (m):

Abandonment:

Casing:
- Type:

Depth (m): Bottom (m):
OD (mm): Thickness (mm):

Seal Type:
from (m): to

Liner:
- Type:

OD (mm): Thickness (mm):
Top (m): Bottom (m):

Perforated How:
from (m): to Size:
from (m): to Size:

Screen:
- Material:

OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
- Model:

Intake (m):

Testing:
- Rate (lpm):

Time (minute):

Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

 printed on 2/20/98
**Well Number: 01038**

Well Owner: **Kick, Urs**
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**Elevation (AMSL) (m): 704**
AEP: **284113**
Licence No.: **East**: 75,314.34
Date Started: **20 Jul 79**
Northing: **5,911,670.00**
Date Completed: **20 Jul 79**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 46.9 (m)
- **NPWL (m):** 12.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 25.9
- **Bottom (m):** 25.9
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 25.9

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Bottom (m):** 46.0
- **Perforated How:** Torch
- **from (m):** 25.9 to 46.0
- **Size:**
- **Top (m):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 29.0

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Level End (m):** 29.0
- **Drawdown (m):** 16.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
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- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

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<td>Drawdown (m):</td>
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<tr>
<td>Rec'd intake (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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<tr>
<td>pH (pH unit):</td>
</tr>
<tr>
<td>Cond. (µS/cm):</td>
</tr>
<tr>
<td>TDS:</td>
</tr>
<tr>
<td>Sodium:</td>
</tr>
<tr>
<td>Potassium:</td>
</tr>
<tr>
<td>Calcium:</td>
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<td>Bicarbonate:</td>
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<td>Chloride:</td>
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<tr>
<td>Fluoride:</td>
</tr>
<tr>
<td>Iron:</td>
</tr>
<tr>
<td>TOC:</td>
</tr>
<tr>
<td>Silica:</td>
</tr>
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</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Electric Log: | No |
| Transmissivity: | m³/day |
| Gamma Log: | No |
| Storativity: |
| Aquifer Test: | No |
| Project: |
| Database: | 1.000H |
| AEP Data: | Yes |
| Well Field Verified: | No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 40.8 (m)
- **NPWL (m):** 12.2
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 32.6
- **Bottom (m):** 32.6
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Formation Seal
  - **from (m):** to 32.6

**Liner:**

- **Type:**
  - OD (mm): 114.3
  - Thickness (mm):
  - **Top (m):** to 39.9
  - **Bottom (m):**

**Perforated How:** Torch

- **from (m):** to 39.9
- **Size:**

**Screen:**

- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
- **Intake (m):** 30.5

**Testing:**

- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 18.3
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>9.1</td>
<td>693.6</td>
<td>Sand</td>
</tr>
<tr>
<td>18.3</td>
<td>684.5</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>24.4</td>
<td>678.4</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>25.0</td>
<td>677.8</td>
<td>Shale Green</td>
</tr>
<tr>
<td>29.9</td>
<td>672.9</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>36.6</td>
<td>666.2</td>
<td>Shale Green</td>
</tr>
<tr>
<td>39.6</td>
<td>663.2</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>40.8</td>
<td>661.9</td>
<td>Shale Light Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
### General
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>39.6 (m)</th>
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<tr>
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</table>

<table>
<thead>
<tr>
<th>Abandonment</th>
</tr>
</thead>
</table>

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

<table>
<thead>
<tr>
<th>Perforated How</th>
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<tbody>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
</tbody>
</table>

### Screen
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log
- **No** Transmissivity: m³/day
- **No** Storativity:

### Gamma Log
- **No** Aquifer Test:

### Project
- **Database: 1.000H**

### AEP Data
- **Yes** Well Field Verified: **No**

---

Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
Well Number: 01042

**Well Owner:** Cunningham, Clifford

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 701

**Licence No.:** 276297

**Date Started:** 73,605.46

**Date Completed:** 5,912,606.50

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>(BGL) (AMSL)</strong> (m)</td>
</tr>
<tr>
<td><strong>Type of Work:</strong> Chemistry</td>
<td><strong>(m)</strong></td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
<td><strong>(m)</strong></td>
</tr>
<tr>
<td><strong>Completed Depth (m):</strong></td>
<td><strong>(m)</strong></td>
</tr>
<tr>
<td><strong>NPWL (m):</strong></td>
<td><strong>(m)</strong></td>
</tr>
<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td><strong>(m)</strong></td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td><strong>(m)</strong></td>
</tr>
</tbody>
</table>

| Casing | | |
|--------|-----------------|
| **Type:** | **(m)** |
| **Depth (m):** | **(m)** |
| **Bottom (m):** | **(m)** |
| **OD (mm):** | **(m)** |
| **Thickness (mm):** | **(m)** |
| **Seal Type:** | **(m)** |
| **from (m):** | **(m)** |
| **to:** | **(m)** |

| Liner | | |
|-------|-----------------|
| **Type:** | **(m)** |
| **OD (mm):** | **(m)** |
| **Thickness (mm):** | **(m)** |
| **Top (m):** | **(m)** |
| **Bottom (m):** | **(m)** |
| **Perforated How:** | **(m)** |
| **from (m):** | **(m)** |
| **to:** | **(m)** |
| **Size:** | **(m)** |

| Screen | | |
|--------|-----------------|
| **Material:** | **(m)** |
| **OD (mm):** | **(m)** |
| **from (m):** | **(m)** |
| **to:** | **(m)** |
| **Size:** | **(m)** |

| Open Hole | | |
|-----------|-----------------|
| **from (m):** | **(m)** |
| **to:** | **(m)** |

| Pump | | |
|------|-----------------|
| **Model:** | **(m)** |
| **Intake (m):** | **(m)** |

| Testing | | |
|---------|-----------------|
| **Rate (lpm):** | **(m)** |
| **Time (minute):** | **(m)** |
| **Level End (m):** | **(m)** |
| **Drawdown (m):** | **(m)** |
| **Rec'd intake (m):** | **(m)** |
| **Rec'd Rate (lpm):** | **(m)** |

| Laboratory | | |
|------------|-----------------|
| **pH (pH unit):** 8.40 | **COD:** | Mercury |
| **Cond. (µS/cm):** 1431 | **SAR:** | nickel |
| **TDS:** 872.0 | **TKN:** | Selenium |
| **Sodium:** 350.06 | **Nitrate:** | Strontium |
| **Potassium:** 1.56 | **Nitrile:** | Molybdenum |
| **Calcium:** 10.02 | **TN:** | Vanadium |
| **Magnesium:** 3.04 | **TC:** | Zinc |
| **Carbonate:** 9.00 | **DIC:** | Hydroxide |
| **Bicarbonate:** 799.84 | **Arsenic:** | Total Hardness 37.00 |
| **Aluminum:** Barium | **Manganese:** | Total Phosphate |
| **Sulphate:** 104.23 | **Beryllium:** | Phosphate |
| **Chloride:** Cadmium | **Ion Balance:** | 1.02 |
| **Fluoride:** 0.83 | **Chromium:** | Amm. Nitrogen |
| **Iron:** 1.00 | **Cobalt:** | Total Phosphate |
| **TOC:** Copper | **Copper:** | Total Alkalinity 671.0 |
| **Silica:** 10.90 | **Lead:** | Nitrate & Nitrite N |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 03-051-27 W4M**

**Well Owner:** *Davies, Robert*

**Drilling Contractor:** *Unknown Driller*

**Elevation (AMSL) (m):** 701

**Licence No.:** 284199

**Date Started:**

**Date Completed:**

**Well Use:** Domestic

**Type of Work:** Chemistry

**Drilling Method:** Unknown

**Completed Depth (m):** 36.6

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**

- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

**Liner:**

- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:

**Screen:**

- **Material:**
  - **OD (mm):** from (m): to Size:
  - **Thickness (mm):** from (m): to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**printed on 2/20/98**
### General:
- **Well Number:** 01044
- **Well Owner:** Demaere, V
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 701
- **Licence No.:** Easting: 73,605.46
- **Date Started:** Nortthing: 5,912,606.50

<table>
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<th>Well Use: Domestic</th>
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**Abandonment:**

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<td>Seal Type:</td>
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**Pump:**

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**Testing:**

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<td>Level End (m): Drawdown (m):</td>
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<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
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<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Potassium</td>
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<tr>
<td>TOC</td>
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<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
NE 03-051-27 W4M

Well Owner: Dinwoodie, K.J.
Drilling Contractor: Unknown Driller

Well Number: 01045
Elevation (AMSL) (m): 701
AEP: 284195
Licence No.: 73,655.46
Date Started:
Northing: 5,912,606.50
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Drilled
Well Use: Domestic
Completed Depth 64.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:

- **Type of Work:** New Well
- **Drilling Method:** Drilled
- **Well Use:** Unknown

**Completed Depth:** 36.6 (m)

**NPWL (m):** 6.1

**Verified NPWL (m):**

**Abandonment:**

### Casing:

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:**

- from (m): to

### Liner:

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:

**Material:**

**OD (mm):**

- from (m): to Size:
- from (m): to Size:

**Open Hole:**

- from (m): to

### Pump:

**Model:**

**Intake (m):**

### Testing:

- **Rate (lpm):** 16.0
  - **Time (minute):** 240.0
  - **Level End (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

**Well Number:** 01046

**Well Owner:** Giese, Ed L.

**Drilling Contractor:** Schellenberger M

**Elevation (AMSL) (m):** 701

**Licence No.:** 284181

**Easting:** 73,605.46

**Date Started:** 12 Jun 58

**Northing:** 5,912,606.50

**Water Well Positioned by PFRA in 10TM NAD 27**

---

*Printed on 2/20/98*
**Well Number: 01047**

**NE 03-051-27 W4M**

**Well Owner:** Henkel, Ward  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 701  
**Licence No.:** 186727  
**Date Started:**  
**Date Completed:**  
**Easting:** 73,605.46  
**Northing:** 5,912,606.50

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**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 38.1 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):  

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation**

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**Lithologic Description**

(No Lithologic Information Available)

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 8.4
- **Verified NPWL (m):**
- **Abandonment:**

Casing:
- **Type:** Plastic
- **Depth (m):** 40.5
- **Bottom (m):** 40.5
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

Screen:
- **Material:** St
- **OD (mm):** 1.2
  - from (m): 40.5 to 42.1 Size: 0.02
  - from (m): to Size:

Open Hole:
- **from (m):** to

Pump:
- **Sub Model:** Grundfos
- **Intake (m):** 18.3

Testing:
- **Rate (lpm):** 456.1
- **Time (minute):** 300.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** 18.3
- **Rec'd Rate (lpm):** 228.1

Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Nitrte:**
- **Molybdenum:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Ion Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Nitrate:**
- **Molybdenum:**
- **Vanadium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Ne 03-051-27 W4M

Well Owner: Housch, Gary
Drilling Contractor: Unknown Driller

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 36.6 m
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m):

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminum:
Sulphate:
Chloride:
Fluoride:
Iron:
Iron:
TOC:
Silica:

Electric Log: No
Gamma Log: No
Aquifer Test: No
AEP Data: Yes

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Number 01049
Elevation (AMSL) (m): 701
AEP: 284198
Licence No.: Easting: 73,605.46
Date Started: Northing: 5,912,606.50
Date Completed:

Depth Elevation
(BGL) (AMSL) (m) (m)

Lithologic Description
(No Lithologic Information Available)
Well Number: 01050

Well Owner: Kover, Ray
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 701
AEP: 284185
Licence No.: Easting: 73,605.46
Date Started: 20 Sep 83 Northing: 5,912,606.50
Date Completed: 21 Sep 83

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 43.3 (m)
NPWL (m): 8.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 41.2 Bottom (m): 41.2
OD (mm): 114.3 Thickness (mm): 0.0
Seal Type: Puddled Clay
from (m): to 24.4

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2
from (m): 41.2 to 42.7 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 18.9

Testing:
Rate (lpm): 136.8 Time (minute): 60.0
Level End (m): 18.9 Drawdown (m): 10.1
Rec'd intake (m): 24.4 Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Transmissivity: m³/day
Storativity:
Aquifer Test: No
AEP Data: Yes Well Field Verified: No

Database: 1.000H

Electric Log: No
Gamma Log: No
Aquifer Test: No
AEP Data: Yes Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 30.5 (m)
  - **NPWL (m):** 8.8
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
  - **Depth (m):** 28.7
  - **Bottom (m):** 28.7
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** to

### Liner:
- **Type:** St
- **OD (mm):** 7.5
  - **from (m):** 28.7
  - **to (m):** 30.2
- **Thickness (mm):** Size: 0.01

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 30.2
  - **Bottom (m):**
  - **Size:**

### Open Hole:
- **from (m):**
  - **to:**

### Pump:
- **Model:** Intake (m): 24.4

### Testing:
- **Rate (lpm):** 27.4
  - **Time (minute):** 240.0
- **Level End (m):** 21.3
  - **Drawdown (m):** 12.5
- **Rec’d intake (m):** 24.4
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
  - **Nickel:**
- **TDS:** TKN
  - **Selenium:**
- **Sodium:** Nitrate
  - **Strontium:**
- **Potassium:** Nitrite
  - **Molybdenum:**
- **Calcium:** TN
  - **Vanadium:**
- **Magnesium:** TC
  - **Zinc:**
- **Carbonate:** DIC
  - **Hydroxide:**
- **Bicarbonate:** Arsenic
  - **Total Hardness:**
- **Aluminum:** Barium
  - **Manganese:**
- **Sulphate:** Beryllium
  - **Phosphorus:**
- **Chloride:** Cadmium
  - **Ion Balance:**
- **Fluoride:** Chromium
  - **Amm. Nitrogen:**
- **Iron:** Cobalt
  - **Total Phosphate:**
- **TOC:** Copper
  - **Total Alkalinity:**
- **Silica:** Lead
  - **Nitrate&Nitrite:**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Remarks:
- **Well Number:** 01051
- **Elevation (AMSL) (m):** 701
- **AEP:** 284186
- **Licence No.:**
- **Easting:** 73,605.46
- **Date Started:** 04 Jan 78
- **Northing:** 5,912,606.50
- **Date Completed:** 06 Jan 78

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
**NE 03-051-27 W4M**

**Well Number:** 01052

**Well Owner:** Pilkie, Bob


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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 15.2
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 141.2
- **Thicknness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 48.8

**Liner:**
- **Type:** Steel
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 48.2
- **Bottom (m):** 61.0

**Perforated How:**
- **Machine**
  - **from (m):** to 51.5
  - **to 59.4
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 54.7
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Chromium:**
- **Total Phosphate:**
- **Iron:**
- **Cobalt:**
- **Total Alkalinity:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate\&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**
Well Number: 01053

Elevation (AMSL) (m): 701
Licence No.: AEP: 284202
Date Started: January 1
Date Completed: January 1

Well Owner: Preece, Karl
Drilling Contractor: Unknown Driller

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 91 m
- NPWL (m): 91 m
- Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m): to

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- from (m): to

Screen:
- Material:
- OD (mm):
- from (m): to
- from (m): to

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m):
- Rec'd Rate (lpm):
- Rec'd intake (m):

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- silica
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Depth
Elevation
(BGL) (AMSL)
(m) (m)

Lithologic Description
(No Lithologic Information Available)
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 34.1
- **Bottom (m):** 34.1
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Puddled Clay
- **from (m):** to 18.3

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 34.1 to 36.6
- **Size:** 0.02
- **from (m):** to **Size:**

### Open Hole:

- **from (m):** to **from (m):** to

### Pump:

- **Model:**
- **Intake (m):** 24.4

### Testing:

- **Rate (lpm):** 91.2
- **Time (minute):** 570.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 20/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casings:
- **Type:** Plastic
- **Depth (m):** 34.1
- **Bottom (m):** 34.1
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Puddled Clay
  - from (m): to 12.2

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 0.9
  - from (m): 34.1 to 36.6
  - Size: 0.02
  - from (m): to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Intake (m): 24.4

### Testing:
- **Rate (lpm):** 114.0
- **Time (minute):**
- **Level End (m):** Drawdown (m): 18.3
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbohydrate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Laboratory:**
  - COD
  - Mercury
  - SAR
  - Nickel
  - TKN
  - Selenium
  - Strontium
  - Molybdenum
  - Vanadium
  - Zinc
  - Hydroxide
  - TotalHardness
  - Manganese
  - Phosphate
  - IonBalance
  - Amm. Nitrogen
  - Total Phosphate
  - Total Alkalinity
  - Nitrate & Nitrite
  - Leads
  - Bicarbonate
  - Calcium
  - Total Hardness

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Yes
- **Database:** Project: AEP Data: Well Field Verified: 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
<table>
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<th>Depth Elevation</th>
</tr>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
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</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>(m)</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td>Plastic</td>
</tr>
<tr>
<td>Completed Depth 36.6 (m)</td>
<td>Depth (m): 34.1 Bottom (m): 34.1</td>
</tr>
<tr>
<td>NPWL (m): 8.5</td>
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<td>Seal Type: Puddled Clay</td>
</tr>
<tr>
<td>Casing:</td>
<td>from (m): to 7.6</td>
</tr>
<tr>
<td>Type: Plastic</td>
<td></td>
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<tr>
<td>Depth (m): 34.1 Bottom (m): 34.1</td>
<td></td>
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<tr>
<td>OD (mm): 114.3</td>
<td>Thickness (mm): 0.1</td>
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<td>Seal Type: Puddled Clay</td>
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<tr>
<td>from (m): to 7.6</td>
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<tr>
<td>Liner:</td>
<td>Well Use: Domestic</td>
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<tr>
<td>Depth (m): 34.1 Bottom (m): 34.1</td>
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<tr>
<td>OD (mm): 114.3</td>
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</tr>
<tr>
<td>Top (m): Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
<td></td>
</tr>
<tr>
<td>from (m): to 7.6</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to 7.6</td>
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</tr>
<tr>
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<tr>
<td>Screen:</td>
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<td>from (m):</td>
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<tr>
<td>from (m):</td>
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<td>Pump:</td>
<td>Project: Database: 1.000H</td>
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<td>AEP Data: Yes</td>
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<td>Well Field Verified: No</td>
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<td>Rate (lpm): 91.2 Time (minute): 180.0</td>
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<td>Level End (m): 24.4 Drawdown (m): 15.9</td>
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<td>Rec'd intake (m): 24.4 Rec'd Rate (lpm):</td>
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Laboratory:

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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Magnesium</td>
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<tr>
<td>Carbonate</td>
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<tr>
<td>Bicarbonate</td>
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<tr>
<td>Aluminium</td>
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<tr>
<td>Sulphate</td>
</tr>
<tr>
<td>Chloride</td>
</tr>
<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
</tr>
</tbody>
</table>

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 03-051-27 W4M**

**Well Owner:** Sandercock, Don  
**Drilling Contractor:** Banks Well Service

<table>
<thead>
<tr>
<th>General:</th>
<th>Date Started: 29 Aug 78</th>
<th>Date Completed: 29 Aug 78</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Well Use:</strong> Domestic</td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 36.6 (m)</td>
<td><strong>NPWL (m):</strong> 6.7</td>
<td><strong>Verified NPWL (m):</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Abandonment:</strong></td>
<td></td>
</tr>
</tbody>
</table>

| Casings: | 
|---|---|
| **Type:** Plastic | **Lithologic Description** |
| **Depth (m):** 34.1 | (m) | (m) |
| **Bottom (m):** 34.1 | Sand | 3.1 | 698.0 |
| **OD (mm):** 114.3 | Clay | 24.4 | 676.7 |
| **Thickness (mm):** 0.1 | 28.0 | 673.0 | Shale |
| **Seal Type:** Puddled Clay | 36.6 | 664.5 | Sand |

| Liner: | 
|---|---|
| **Type:** | 
| **OD (mm):** | **Thickness (mm):** |
| **Top (m):** | **Bottom (m):** |
| **Perforated How:** | 
| **from (m):** | **to** | **Size:** |
| **from (m):** | **to** | **Size:** |
| **from (m):** | **to** | **Size:** |

| Screen: | 
|---|---|
| **Material:** St | 
| **OD (mm):** 1.2 | 
| **from (m):** 34.1 | **to** 36.6 | **Size:** 0.02 |
| | | **from (m):** | **to** | **Size:** |

| Open Hole: | 
|---|---|
| **from (m):** | **to** |

| Pump: | 
|---|---|
| **Model:** | 
| **Intake (m):** 24.4 |

| Testing: | 
|---|---|
| **Rate (lpm):** 114.0 | **Time (minute):** 470.0 |
| **Level End (m):** 24.4 | **Drawdown (m):** 17.7 |
| **Rec'd intake (m):** 24.4 | **Rec'd Rate (lpm):** |

| Laboratory: | 
|---|---|
| **pH (pH unit):** | **COD:** | **Mercury:** |
| **Cond. (µS/cm):** | **SAR:** | **Nickel:** |
| **TDS:** | **TKN:** | **Selenium:** |
| **Sodium:** | **Nitrate:** | **Strontium:** |
| **Potassium:** | **Nitrite:** | **Molybdenum:** |
| **Calcium:** | **TN:** | **Vanadium:** |
| **Magnesium:** | **TC:** | **Zinc:** |
| **Carbonate:** | **DIC:** | **Hydroxide:** |
| **Bicarbonate:** | **Arsenic:** | **Total Hardness:** |
| **Aluminum:** | **Barium:** | **Manganese:** |
| **Sulphate:** | **Beryllium:** | **Phosphate:** |
| **Chloride:** | **Cadmium:** | **Ion Balance:** |
| **Fluoride:** | **Chromium:** | **Amm. Nitrogen:** |
| **Iron:** | **Cobalt:** | **Total Phosphate:** |
| **TOC:** | **Copper:** | **Total Alkalinity:** |
| **Silica:** | **Lead:** | **Nitrate&Nitrite N:** |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 56.7 (m)
  - NPWL (m): 15.2
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 41.5
  - Bottom (m): 41.5
- **OD (mm):** 114.3
  - Thickness (mm): 0.1
- **Seal Type:** Sand Pack
  - from (m): to

**Liner:**
- **Type:**
  - Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated Size:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** St
  - OD (mm): 0.9
    - from (m): 41.5 to 42.7
    - Size: 0.01
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Jet
  - Intake (m):

**Testing:**
- **Rate (lpm):** 45.6
  - Time (minute): 570.0
- **Level End (m):** 19.8
  - Drawdown (m): 4.6
- **Rec'd intake (m):**
  - Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Molybdenum:**
- **TC:**
- **Magnesium:**
- **Barium:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Iron:**
- **TOC:**
- **Silica:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number: 01058**
- **Elevation (AMSL) (m):** 701
- **AEP:** 284184
- **Licence No.:**
- **Date Started:**
- **Easting:** 73,605.46
- **Date Completed:** 04 Apr 73
- **Northing:** 5,912,606.50
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) (m) (m) (m)**

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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</thead>
<tbody>
<tr>
<td>Clay Sandy</td>
<td>10.7</td>
<td>690.4</td>
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<tr>
<td>Clay Blue</td>
<td>28.0</td>
<td>673.0</td>
</tr>
<tr>
<td>Sand</td>
<td>47.2</td>
<td>653.8</td>
</tr>
<tr>
<td>Shale Sandy Gray</td>
<td>50.9</td>
<td>650.1</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>51.5</td>
<td>649.5</td>
</tr>
<tr>
<td>Shale Sandy Gray</td>
<td>56.7</td>
<td>644.3</td>
</tr>
</tbody>
</table>

**Database:** 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No
**General:**
Type of Work: New Well
Drilling Method: Rotary
Well Use: Unknown
Completed Depth: 64.0 m
NPWL (m): 9.1
Verified NPWL (m):
Abandonment:

**Casing:**
Type: Plastic
Depth (m): 48.8
Bottom (m): 48.8
OD (mm): 152.4
Thickness (mm):

**Seal Type:** Formation Seal
from (m): to

**Liner:**
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 48.8
Bottom (m): 64.0

**Perforated How:** Machine
from (m): 48.8 to 64.0
Size:
from (m): to
Size:
from (m): to
Size:

**Screen:**
Material: Plastic
OD (mm):
from (m): to
Size:
from (m): to
Size:

**Open Hole:**
from (m): to

**Pump:**
Model: Intake (m): 30.5

**Testing:**
Rate (lpm): 22.8
Time (minute): 420.0
Level End (m): 30.5
Drawdown (m): 21.3
Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
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<td>TDS</td>
<td>TKN</td>
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<td>Arsenic</td>
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<tr>
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<td>Cobalt</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**

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<thead>
<tr>
<th>Lithologic Description</th>
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<th>(m)</th>
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<tbody>
<tr>
<td>Clay Yellow</td>
<td>5.8</td>
<td>693.2</td>
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<tr>
<td>Clay Blue</td>
<td>13.7</td>
<td>685.3</td>
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<tr>
<td>Clay &amp; Rocks Blue</td>
<td>24.4</td>
<td>674.6</td>
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<tr>
<td>Sand</td>
<td>28.7</td>
<td>670.4</td>
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<td>Clay &amp; Shale Blue</td>
<td>46.3</td>
<td>652.7</td>
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<tr>
<td>Clay Yellow</td>
<td>48.2</td>
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<td>Shale Sandy Gray</td>
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<tr>
<td>Shale Green</td>
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<td>635.0</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 01059

**Elevation (AMSL) (m):** 699
**AEP:** 284179
**Easting:** 72,904.45
**Date Started:** 27 Jun 89
**Northing:** 5,912,153.00
**Date Completed:** 27 Jun 89

**Well Field Verified:** No

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
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<td><strong>Well Use:</strong> Domestic</td>
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<td><strong>Completed Depth:</strong> 34.1 (m)</td>
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<td>25.9</td>
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<tr>
<td><strong>Depth (m):</strong> 32.0</td>
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<tr>
<td><strong>Bottom (m):</strong> 32.0</td>
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<tr>
<td><strong>OD (mm):</strong> 152.4</td>
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<tr>
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<tr>
<td><strong>from (m):</strong> to</td>
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<td><strong>Liner:</strong></td>
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</tr>
<tr>
<td><strong>Type:</strong></td>
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<tr>
<td><strong>Size:</strong></td>
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<td><strong>from (m):</strong> to</td>
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<tr>
<td><strong>Size:</strong></td>
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<tr>
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<td><strong>OD (mm):</strong></td>
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<tr>
<td><strong>from (m):</strong> 32.0</td>
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<td><strong>to 33.5</strong></td>
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<td><strong>Size:</strong></td>
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<tr>
<td><strong>Open Hole:</strong></td>
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</tr>
<tr>
<td><strong>Pump:</strong> Sub</td>
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<td><strong>Testing:</strong></td>
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<td><strong>Rate (lpm):</strong> 13.7</td>
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<td><strong>Level End (m):</strong> 32.0</td>
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<td><strong>Drawdown (m):</strong> 25.6</td>
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<td><strong>Rec'd Rate (lpm):</strong></td>
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<td><strong>Sodium:</strong></td>
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<td><strong>Total Hardness:</strong></td>
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<td><strong>Aluminum:</strong></td>
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<td><strong>Barium:</strong></td>
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<td><strong>Manganese:</strong></td>
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<td><strong>Sulphate:</strong></td>
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<td><strong>Beryllium:</strong></td>
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<td><strong>Phosphate:</strong></td>
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<td><strong>Chloride:</strong></td>
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<td><strong>Cadmium:</strong></td>
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<td><strong>Ion Balance:</strong></td>
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<td><strong>Amm. Nitrogen:</strong></td>
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<td><strong>Iron:</strong></td>
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<td><strong>Cobalt:</strong></td>
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<td><strong>Copper:</strong></td>
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<td><strong>Total Alkalinity:</strong></td>
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<td><strong>Silica:</strong></td>
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<td><strong>Lead:</strong></td>
<td></td>
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<tr>
<td><strong>Nitrate&amp;Nitrite N</strong></td>
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</tr>
<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.”</strong></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 01061**

**Well Owner:** Mcknight, Rick  
**Drilling Contractor:** Hostyn Drilling Co. Ltd.

**Elevation (AMSL) (m):** 699  
**AEP: 284134**  
**Date Started:** 06 Jun 74  
**Date Completed:** 06 Jun 74  
**Licence No.:** Easting: 72,904.45  
**Northing: 5,912,153.00**

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 12.2  
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 43.0  
- **OD (mm):** 114.3  
- **Seal Type:** Driven  
- **from (m):** to 42.7

**Liner:**
- **Type:**  
- **Thickness (mm):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:
- **Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Jacuzzi  
- **Intake (m):** 36.6  
- **Testing:**
- **Rate (lpm):** 18.2  
- **Time (minute):** 120.0  
- **Level End (m):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** Selenium  
- **Sodium:** Strontium  
- **Potassium:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **Carbonate:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Aluminum:** Manganese  
- **Sulphate:** Phosphate  
- **Chloride:** Ion Balance  
- **Fluoride:** Amm. Nitrogen  
- **Iron:** Total Phosphate  
- **TOC:** Total Alkalinity  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tr>
<td>21.3</td>
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<td>40.5</td>
<td>658.5</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>42.7</td>
<td>656.3</td>
<td>Shale Blue</td>
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<tr>
<td>53.3</td>
<td>645.7</td>
<td>Sand White</td>
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<tr>
<td>54.9</td>
<td>644.1</td>
<td>Shale</td>
</tr>
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</table>

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
Well Number: 01062

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 61.0 m
- NPWL (m): 9.1 m
- Veriﬁed NPWL (m): 
- Abandonment: 

Casing:
- Type: Steel
- Depth (m): 30.5 m
- Bottom (m): 30.5 m
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 30.5 m

Liner:
- Type: 
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 24.4 m
- Bottom (m): 61.0 m
- Perforated How: Machine
- from (m): 42.7 to 54.9 m
- Size: 
- from (m): to 
- Size: 
- from (m): to 
- Size: 

Screen:
- Material: 
- OD (mm): 
- from (m): to 
- Size: 
- from (m): to 
- Size: 

Open Hole:
- from (m): to 

Pump:
- Model: 
- Intake (m): 61.0 m

Testing:
- Rate (lpm): 
- Time (minute): 180.0
- Level End (m): 
- Drawdown (m): 
- Rec'd intake (m): 
- Rec'd Rate (lpm): 

Laboratory:
- pH (pH unit): 
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphorus
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silicon: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 01063

**Well Owner:** Greenwood, Donna

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 703

**Licence No.:** 284133

**Date Started:**

**Easting:** 72,937.90

**Northing:** 5,911,536.00

**Date Completed:**

---

## General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 54.9 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Elevation (BGL) (m) Lithologic Description**

**Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - from (m): to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Electric Log:** No Transmissivity: m³/day

**Gamma Log:** No Storativity:

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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*Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.*

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*Printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 m
- **NPWL:** 9.1 m
- **Abandonment:**
- **Type:** Puddled Clay
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):** 51.8
  - **Type:** Torch
  - **from (m):** 24.4 to 51.8
  - **Size:**

### Liner:
- **Type:** Sub
- **OD (mm):**
- **Thickness (mm):**
- **Bottom (m):**

### Screen:
- **Material:**
- **OD (mm):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 50.3
- **Rate (lpm):** 11.4
- **Time (minute):** 240
- **Rate:** 13.7
- **Rec'd Rate (lpm):** 50.3
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Selenium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Database:** 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description:
- **Depth (m):**
- **Elevation (m):**
- **Type:**
- **Description:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.5 m
  - NPWL (m): 
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 31.1
  - **Bottom (m):** 31.1
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
    - **from (m):**
    - **to:** 31.1
- **Liner:**
  - **Type:** Driven
  - **OD (mm):** 114.3
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):** 50.6
- **Perforated How:** Torch
  - **from (m):** 31.1
  - **to:** 50.6
  - **Size:**
  - **from (m):**
  - **to:** Size:
  - **from (m):**
  - **to:** Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):**
  - **to:**
- **Pump:**
  - **Model:**
  - **Intake (m):** 36.6
- **Testing:**
  - **Rate (lpm):** 2.3
  - **Time (minute):** 420.0
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbamate:**
- **Bicarbonate:**
- **Phosphate:**
- **Chloride:**
- **Sulphate:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Silica:**
- **Laboratory:**

**Database:**
- **Project:**
- **Database:** 1.000H

**Well Number: 01065**
- **Elevation (AMSL) (m):** 703
- **AEP:** 284128
- **Licence No.:**
- **Easting:** 72,937.90
- **Date Started:** 22 Mar 76
- **Northing:** 5,911,536.00
- **Date Completed:** 23 Mar 76

**Well Use Positioned by PFRA in 10TM NAD 27**
**SW 03-051-27 W4M**

**Well Owner:** Page, Rod  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 meters  
- **NPWL (m):** 11.0  
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 34.1  
- **Bottom (m):** 34.1  
- **OD (mm):** 114.3  
- ** Thickness (mm):** 0.0  
- **Seal Type:** Driven  
- **from (m):** to 34.1

#### Liner:
- **Type:** Driven  
- **OD (mm):** 88.9  
- **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):** 48.8

#### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to**:
- **Thickness (mm):**
  - **from (m):**
  - **to**:

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 50.2  
- **Time (minute):** 120.0  
- **Level End (m):**
- **Drawdown (m):** 19.5  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**  
- **Transmissivity:** m³/day  
- **Gamma Log:** No  
- **Storativity:**
- **Aquifer Test:** No  
- **Electric Log:** No  
- **Amm. Nitrogen:**

### Project:
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
### W4M

**Well Number:** 01067

**Elevation (AMSL) (m):** 704

**AEP:** 240615

**Date Started:** 70,956.61

**Date Completed:** 5,912.702.50

**NORTHING:** 24 Sep 72

---

**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth (m):** 47.2
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Unknown

**Casing:**
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m):
  - to

**Liner:**
- **Type:**
  - OD (mm):
  - Top (m):
  - perforated How:
  - from (m):
  - to
  - Size:

**Screen:**
- **Material:**
  - OD (mm):
  - Screen:
  - from (m):
  - to
  - Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
  - Intake (m):

**Testing:**
- **Rate (lpm):**
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec'd intake (m):

**Laboratory:**
- **pH (pH unit):**
  - COD Mercury
- **Cond. (µS/cm):**
  - SAR Nickel
- **TDS:**
  - TKN Selenium
- **Sodium:**
  - Nitrate Strontium
- **Potassium:**
  - Nitrite Molybdenum
- **Calcium:**
  - TN Vanadium
- **Magnesium:**
  - TC Zinc
- **Carbonate:**
  - DIC Hydroxide
- **Bicarbonate:**
  - Arsenic Total Hardness
- **Aluminum:**
  - Barium Manganese
- **Sulphate:**
  - Beryllium Phosphate
- **Chloride:**
  - Cadmium Ion Balance
- **Fluoride:**
  - Chromium Amm. Nitrogen
- **Iron:**
  - Cobalt Total Phosphate
- **TOC:**
  - Copper Total Alkalinity
- **Silica:**
  - Lead Nitrate&Nitrite N

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 01068**

**Well Owner:** Foisy, Dave/Connie  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 34.8 m  
- **NPWL (m):** 9.3  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casting:
- **Type:** Plastic  
- **Depth (m):** 30.2  
- **Bottom (m):** 30.2  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Table  
- **from (m):** 21.0  
- **to 30.2**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Perforated How:**
  - from (m):  
  - to  
  - Size:  
  - from (m):  
  - to  
  - Size:  
  - from (m): 
  - to  
  - Size:  

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 30.2  
- **to 31.7**  
- **Size:** 0.01  
- **Open Hole:**
  - from (m):  
  - to 

### Pump:
- **Model:**
- **Intake (m):** 27.4  
- **Testing:**
  - Rate (lpm): 31.9  
  - Time (minute): 120.0  
  - Level End (m):
  - Rec’d intake (m):
  - Rec’d Rate (lpm): 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation (BGL) (AMSL)

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
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<td>5.5</td>
<td>696.0</td>
<td>Sand</td>
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<td>11.3</td>
<td>690.2</td>
<td>Clay Silty</td>
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<td>12.5</td>
<td>689.0</td>
<td>Clay &amp; Rocks</td>
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<td>18.0</td>
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<td>18.6</td>
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<td>666.7</td>
<td>Shale</td>
</tr>
</tbody>
</table>

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**

### Aquifer Test: No  
**Electric Log: No**  
**Transmissivity:** m³/day  
**Gamma Log: No**  
**Storativity:**

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

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**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Completed Depth
- **NPWL (m):** 45.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

### Perforated How:
- **from (m):**
  - to Size: from (m):
  - to Size: from (m):

### Screen:
- **Material:**
- **OD (mm):** from (m):
  - to Size: from (m):
  - to Size: from (m):

### Open Hole:
- from (m):

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):** 8.60
- **Cond. (µS/cm):** 1190
- **TDS:** 733.0
- **Sodium:** 279.91
- **Potassium:** 1.56
- **Calcium:** 10.02
- **Magnesium:** 3.04
- **Carbonate:** 21.90
- **Total Hardness:** 37.00
- **Bicarbonate:** 627.79
- **Aluminium:** 2.27
- **Sulphate:** 105.19
- **Chloride:** 2.84
- **Fluoride:** 0.52
- **Iron:** 2.54
- **TOC:** 1.00
- **Silica:** 9.30
- **COD:**
- **SAR:**
- **TKN:**
- **Beryllium:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Barium:**
- **Nitrates:**
- **Beryllium:**
- **Phosphates:**
- **Cadmium:**
- **Strontium:**
- **Sodium:**
- **Phosphate:**
- **Copper:**
- **Strontium:**
- **Iron:**
- **Total Alkalinity:**

## Electric Log:
- Transmissivity: 1.000H

## Gamma Log:
- Storativity:

## Aquifer Test:
- **Model:**
- **Intake (m):**
- **Testing Time (minute):**
- **Rate (lpm):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**

## Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 m
- **NPWL (m):** 6.1
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth:** 14.3 m
- **Thickness:** 0.1 mm

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 12.2
- **Bottom (m):** 39.6

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):** 21.3
- **Rec'd intake (m):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphorus:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description:
- **Depth (m):**
- **Elevation (BGL) (m):**
- **Type:**
- **(m):**
- **(m):**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01071

Water Well Positioned by PFRA in 10TM NAD 27
**SE 10-051-27 W4M**

**Well Owner:** Rayment, Eric  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>3.4</td>
<td>696.5</td>
<td>Sand Brown</td>
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<td>7.6</td>
<td>692.2</td>
<td>Clay</td>
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<td>9.1</td>
<td>690.7</td>
<td>Clay &amp; Rocks</td>
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<tr>
<td>11.0</td>
<td>688.9</td>
<td>Shale Gray</td>
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<td>13.4</td>
<td>686.5</td>
<td>Sandstone Gray</td>
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<td>14.6</td>
<td>685.2</td>
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<td>16.5</td>
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<td>21.0</td>
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<td>678.2</td>
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<td>Shale Sandy</td>
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<td>25.9</td>
<td>674.0</td>
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<tr>
<td>26.2</td>
<td>673.7</td>
<td>Shale Brown</td>
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<tr>
<td>26.5</td>
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<td>Sandstone</td>
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<td>Shale</td>
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<td>28.7</td>
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<td>31.1</td>
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<td>Shale</td>
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<td>35.0</td>
<td>664.8</td>
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<td>36.9</td>
<td>663.0</td>
<td>Shale</td>
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<td>38.1</td>
<td>661.8</td>
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<tr>
<td>41.8</td>
<td>658.1</td>
<td>Shale</td>
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<td>43.6</td>
<td>656.3</td>
<td>Sandstone</td>
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<tr>
<td>43.9</td>
<td>656.0</td>
<td>Shale</td>
</tr>
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</table>

**Laboratory:**  
- pH (pH unit):  
- Cond. (µS/cm): SAR, Nickel  
- TDS: TKN, Selenium  
- Sodium: Nitrate, Strontium  
- Potassium: Nitrite, Molybdenum  
- Calcium: TN, Vanadium  
- Magnesium: TC, Zinc  
- Carbonate: DIC, Hydroxide  
- Bicarbonate: Arsenic, Total Hardness  
- Aluminum: Barium, Manganese  
- Sulphate: Beryllium, Phosphate  
- Chloride: Cadmium, Ion Balance  
- Fluoride: Chromium, Amm. Nitrogen  
- Iron: Cobalt, Total Phosphate  
- TOC: Copper, Total Alkalinity  
- Silica: Lead, Nitrate&Nitrite N  

**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### SE 11-051-27 W4M

**Well Owner:** Schultz, Richard Wayne  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 701  
**AEP:** 165342  
**Date Started:**  
**Date Completed:**

---

#### General:

- **Type of Work:** Chemistry  
- **Drilling Method:** Bored  
- **Well Use:** Domestic

- **Completed Depth:** 46.0 (m)  
- **NPWL (m):** 21.3  
- **Verified NPWL (m):**  
- **Abandonment:**

- **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to

- **Liner:**
  - **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to Size:  
  - **from (m): to Size:**  
  - **from (m): to Size:**

- **Screen:**
  - **Material:**  
  - **OD (mm):** from (m): to Size:  
  - **from (m): to Size:**

- **Open Hole:** from (m): to

- **Pump:**
  - **Model:**  
  - **Intake (m):**

- **Testing:**
  - **Rate (lpm):** Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):

---

#### Chemical Constituents

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS (mg/l):** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Laboratory:

- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
**NW 12-051-27 W4M**

**Well Owner:** Abday, Syd

**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number:** 01074

**Elevation (AMSL) (m):** 702  **AEP:** 238524

**Licence No.:** 76 262.63  **Date Started:** 25 Jun 93

**Easting:** 5,813,914.50  **Date Completed:** 25 Jun 93

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

<table>
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<tr>
<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Abandonment:</th>
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<tbody>
<tr>
<td>54.9 (m)</td>
<td>13.7</td>
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<table>
<thead>
<tr>
<th>Liner:</th>
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<tbody>
<tr>
<td>Type: Plastic</td>
</tr>
<tr>
<td>Depth (m): 50.9  Bottom (m): 50.9</td>
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<tr>
<td>OD (mm): 152.4  Thickness (mm): 0.1</td>
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<table>
<thead>
<tr>
<th>Seal Type: Gravel Pack</th>
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<tbody>
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<td>from (m): to 54.9</td>
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**Liner:**

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<th>Material: St</th>
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<tbody>
<tr>
<td>OD (mm): 1.5</td>
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<table>
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<th>Perforated How:</th>
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<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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**Screen:**

<table>
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<th>Material: DIC</th>
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<tbody>
<tr>
<td>OD (mm): 50.9</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m): to</td>
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**Screen:**

<table>
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<th>Material: Bicarbonate</th>
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<tbody>
<tr>
<td>OD (mm): 24.4</td>
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<table>
<thead>
<tr>
<th>Pump:</th>
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</thead>
<tbody>
<tr>
<td>Model:</td>
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<tr>
<td>Intake (m): 50.9</td>
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</tbody>
</table>

**Testing:**

| Rate (lpm): 136.8  Time (minute): 480.0 |
| Level End (m): 48.8  Drawdown (m): 35.0 |
| Rec'd intake (m): 24.4  Rec'd Rate (lpm): 68.4 |

**Laboratory:**

<table>
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<th>pH (pH unit): 50.9</th>
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<tbody>
<tr>
<td>COD: Mercury</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Cond. (µS/cm): 50.9</th>
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</thead>
<tbody>
<tr>
<td>SAR: Nickel</td>
</tr>
</tbody>
</table>

| TDS |
| TKN: Selenium |

| Sodium |
| Nitrate: Strontium |

| Potassium |
| Nitrite: Molybdenum |

| Calcium |
| TN: Vanadium |

| Magnesium |
| TC: Zinc |

| Carbonate |
| DIC: Hydroxide |

| Bicarbonate |
| Arsenic: Total Hardness |

| Aluminium |
| Barium: Manganese |

| Sulphate |
| Beryllium: Phosphate |

| Chloride |
| Cadmium: Ion Balance |

| Fluoride |
| Chromium: Amm. Nitrogen |

| Iron |
| Cobalt: Total Phosphate |

| TOC |
| Copper: Total Alkalinity |

| Silicon |
| Lead: Nitrate&Nitrite N |

**Electric Log:** No  **Transmissivity:** m²/day

**Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **TOC:**

**Project:** Database: 1.000H  **Pump:**

**AEP Data:** Yes  **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 01075**

**Well Owner:** Horner, Jack  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m): 702**  
**AEP: 227861**  
**Licence No.:** Easting: 76,277.81  
**Date Started:** 22 Mar 93  
**Northing: 5,913,939.50**  
**Date Completed: 23 Mar 93**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 56.4 (m)  
**NPWL (m):** 15.2  
**Verified NPWL (m):**  
**Abandonment:**

### Casting:
- **Type:** Plastic  
- **Depth (m):** 50.3  
- **Bottom (m):** 50.3  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 50.3

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**

**Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 50.3 to 51.5  
- **Size:** 0.01  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

**Testing:**  
- **Rate (lpm):** 63.9  
- **Time (minute):** 420.0  
- **Level End (m):** 21.3  
- **Drawdown (m):** 6.1  
- **Rec'd intake (m):** 21.3  
- **Rec'd Rate (lpm):** 63.9

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  

Water Well Positioned by PFRA in 10TM NAD 27  

**Database: Project:** 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 m
- **NPWL (m):** 12.2
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 48.8 to 50.3
- **Size:** 0.01
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 21.3

## Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 320.0
- **Level End (m):**
- **Drawdown (m):** 9.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 63.9

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **SE:**
- **Bicarbonate:**
- **Calcium:**
- **Magnesium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Electric Log:**
- **Gamma Log:**
- **Aquifer Test:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

## Lithologic Description:
- **(m) (m) (m):**
- **4.9 698.4 Clay Sandy Brown**
- **29.9 673.4 Clay Blue**
- **50.3 653.0 Sand Coarse Grained Gray**
- **51.8 651.4 Clay Blue**

## Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Well Number: 01076
- **Well Owner:** Jensen, Tom
- **Drilling Contractor:** Kap’S Drilling Ltd.
- **Elevation (AMSL) (m):** 703
- **Easting:** 75932.10
- **Date Started:** 30 Jun 92
- **Northing:** 5913920.50
- **Date Completed:** 30 Jun 92
- **AEP:** 167024

## Database: 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
  - NPWL (m): 18.3
  - Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:** Steel
  - **Depth (m):** 55.8
  - **Bottom (m):** 55.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 55.5

#### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 51.8
- **Bottom (m):** 76.2
- **Perforated How:** Torch
  - **from (m):** 51.8 to 76.2
  - **Size:**
  - **from (m):** to
  - **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Sub Hp.5
- **Intake (m):** 61.0

#### Testing:
- **Rate (lpm):** 13.7
  - **Time (minute):** 420.0
- **Level End (m):** 30.5
  - **Drawdown (m):** 19.8
- **Rec’ed Rate (lpm):** 61.0

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Selenium:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **Carbonate:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation (BGL) (AMSL):

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<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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<tbody>
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<td>14.3</td>
<td>691.1</td>
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<td>631.0</td>
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<tr>
<td>76.2</td>
<td>629.2</td>
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</tbody>
</table>

#### Lithologic Description:
- **Till**
- **Till Sandy**
- **Sand & Gravel**
- **Sand**
- **Sand & Gravel**
- **Sand  Blue Gray**
- **Shale  Gray**
- **Shale  Brownish Gray**
- **Shale Gray**
- **Shale & Coal Gray**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>(m)</th>
<th>NPWL (m):</th>
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<tbody>
<tr>
<td>60.7</td>
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<td>13.7</td>
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**Abandonment:**

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<thead>
<tr>
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<tr>
<td><strong>Depth (m):</strong></td>
<td>52.1</td>
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<tr>
<td><strong>Bottom (m):</strong></td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td>114.3</td>
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<tr>
<td><strong>Thickness (mm):</strong></td>
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<tr>
<td><strong>Seal Type:</strong></td>
<td>to</td>
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**Liner:**

<table>
<thead>
<tr>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tr>
<td>52.1</td>
<td>to</td>
</tr>
<tr>
<td>53.3</td>
<td>Size: 0.01</td>
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**Screen:**

<table>
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<tr>
<td><strong>from (m):</strong></td>
<td>52.1</td>
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<tr>
<td><strong>to (m):</strong></td>
<td>53.3</td>
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<tr>
<td><strong>Size:</strong></td>
<td>0.01</td>
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**Open Hole:**

| from (m):        | to                 |

**Pump:**

<table>
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<tr>
<th>Model:</th>
<th>Intake (m):</th>
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<tbody>
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**Testing:**

| Rate (lpm):      | 68.4              |
| Time (minute):   | 420.0             |
| Level End (m):   | 15.2              |
| Drawdown (m):    | 1.5               |
| Rec'd intake (m):|
| Rec'd Rate (lpm):|

## Laboratory:

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<th>pH (pH unit)</th>
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<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Barium</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
<td>Chromium</td>
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<tr>
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<td>Cobalt</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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<table>
<thead>
<tr>
<th>Material:</th>
<th>OD (mm):</th>
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</thead>
<tbody>
<tr>
<td>Material:</td>
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<tr>
<td>Screen:</td>
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<tr>
<td>Open Hole:</td>
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## Electric Log:

<table>
<thead>
<tr>
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## Gamma Log:

<table>
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<th>Gamma Log:</th>
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<td>Storativity:</td>
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## Aquifer Test:

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## AEP Data:

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<tr>
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*Remarks:* Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 12-051-27 W4M**

**Well Owner:** Robertson, T.L.

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 702

**AEP:** 182710

**Licence No.:** Easting: 76,016.20

**Date Started:** Northing: 5,814,279.50

**Date Completed:**

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<tr>
<td>Westing:</td>
</tr>
<tr>
<td>Date Started:</td>
</tr>
<tr>
<td>Date Completed:</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth (m):** 46.3
- **NPWL (m):** 12.3
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 41.2
  - **Bottom (m):** 41.2
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
  - **from (m):** 28.4
  - **to:** 29.0

### Casing:

### Liner:
- **Type:**
  - **Depth (m):**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Perforated How:**
    - **from (m):**
    - **to:**
    - **Size:**
- **Screen:
  - **Material:** St
  - **OD (mm):** 1.4
  - **from (m):** 41.2
  - **to:** 42.7
  - **Size:** 0.01

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 34.2
- **Time (minute):** 120.0
- **Level End (m):** 14.0
- **Drawdown (m):** 1.8
- **Rec’d intake (m):** 19.8
- **Rec’d Rate (lpm):** 31.9

### Laboratory:

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<th>Unit</th>
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<td>Sodium</td>
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<td>Nitrate</td>
<td></td>
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<tr>
<td>Strontium</td>
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<td>Calcium</td>
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<td>TC</td>
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<tr>
<td>Zinc</td>
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<td>DIC</td>
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<td>Arsenic</td>
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<td>Total Hardness</td>
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<td>Iron</td>
<td></td>
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<tr>
<td>Cobalt</td>
<td></td>
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<td>Total Phosphate</td>
<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td></td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
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</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
**NW 12-051-27 W4M**

**Well Owner:** Smith, Albert  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 705  
**AEP:** 186529  
**Licence No.:**  
**Date Started:** 05 Nov 92  
**Northing:** 5,814,135.50  
**Date Completed:** 06 Nov 92

---

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 43.3 m  
- **NPWL (m):** 11.9  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:

- **Type:** Plastic  
- **Depth (m):** 39.9  
- **Bottom (m):** 39.9  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** 25.0  
- **to:** 28.7  

### Liner:

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:

- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 39.9  
- **to:** 41.5  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Open Hole:

- **from (m):** to  

### Pump:

- **Model:**  
- **Intake (m):** 27.4  

### Testing:

- **Rate (lpm):** 41.1  
- **Time (minute):** 420.0  
- **Level End (m):** 14.0  
- **Drawdown (m):** 2.1  
- **Rec'd intake (m):** 29.9  
- **Rec'd Rate (lpm):** 41.1  

---

### Laboratory:

- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):** SAR  
- **Nickel:**  
- **TDS:** TKN  
- **Selenium:**  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Selenite:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  
- **Open Hole:**  
- **Perforated How:**  
- **Perforated Size:**  
- **Perforated from (m):** to  
- **Perforated Size:** from (m): to  
- **Perforated Size:** from (m): to  

### Electric Log:

- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Project:** AEP Data: Yes  
- **Database:** 1.000H  
- **Remarks:** Water Well Positioned by PFRA in 10TM NAD 27  

**Chemical Constituents are in mg/l (ppm). Except as noted.
General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth: 61.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:
Casing:
Type: Depth (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to
Liner:
Type: OD (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model:
Intake (m):
Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m)
Lithologic Description
(No Lithologic Information Available)

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**NW 12-051-27 W4M**

**Well Owner:** Vanderhelm, Tom  
**Drilling Contractor:** Rodco Drilling

<table>
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<tr>
<th>Elevation (AMSL) (m): 702</th>
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<tr>
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<td>Northing: 5,814,278.00</td>
<td>Date Completed: 18 Oct 90</td>
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### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 45.7 m  
- **NPWL (m):** 12.2 m  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casting:

- **Type:** Plastic  
- **Depth (m):** 39.6  
- **Bottom (m):** 39.6  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 38.1

### Liner:

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:

- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 39.6 to 41.2  
- **Size:** 0.01  
- **from (m):** to Size:  

### Open Hole:

- **from (m):** to

### Pump:

- **Type:** Sub  
- **Model:**  
- **Intake (m):** 36.6  
- **Testing:**  
  - **Rate (lpm):** 136.6  
  - **Time (minute):** 120.0  
  - **Level End (m):** 36.6  
  - **Drawdown (m):** 24.4  
  - **Rec’d intake (m):** 38.1  
  - **Rec’d Rate (lpm):** 54.7

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
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<tbody>
<tr>
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<td>Cond. (µS/cm)</td>
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<td>Iron</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
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</table>

### Electric Log:

- **Transmissivity:** m²/day  
- **Gamma Log:**  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
  - NPWL (m): 12.2
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - Type: Plastic
  - Depth (m): 47.9
  - Bottom (m): 47.9
  - OD (mm): 141.2
  - Thickness (mm): 0.1
  - Seal Type: Driven
  - from (m): to 47.9
- **Liner:**
  - Type:
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:
- **Screen:**
  - Material: St
  - OD (mm): 1.2
  - from (m): 47.9 to 49.4
  - Size: 0.01
  - from (m): to Size:
- **Open Hole:**
  - from (m): to
- **Pump:**
  - Model:
  - Intake (m):
- **Testing:**
  - Rate (lpm): 63.9
  - Time (minute): 420.0
  - Level End (m): 18.3
  - Drawdown (m): 6.1
  - Rec'd intake (m):
  - Rec'd Rate (lpm):

### Lithologic Description
- **Depth (m):**
- **Elevation (BGL) (m):**
- **Lithologic Description:**
  - 6.1: 695.9 Clay Yellow
  - 11.3: 690.7 Sand & Coal Coarse Grained
  - 16.8: 685.2 Clay Blue
  - 17.7: 684.3 Clay & Gravel
  - 18.6: 683.4 Rocks
  - 30.5: 671.5 Clay Hard Blue
  - 51.8: 650.2 Sand
  - 52.7: 649.3 Shale Sandy Gray
  - 54.9: 647.1 Shale Green

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.7 m (m)
- **NPWL (m):** 12.5 m
- **Abandonment:**

## Casing:
- **Type:** Plastic
  - **Depth:** 28.4 m
  - **Bottom:** 28.4 m
  - **OD (mm):** 152.4
  - **Thickness (mm):**
- **Seal Type:** Driven
  - **from (m):** 28.0 to

## Liner:
- **Type:** Driven
  - **OD (mm):** 116.8
  - **Thickness (mm):**
  - **Top:** 27.1 m
  - **Bottom:** 59.7 m
- **Perforated How:** Machine
  - **from (m):** 52.4 to 59.1 m
  - **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
  - **Intake (m):** 45.7

## Testing:
- **Rate (lpm):** 22.8
  - **Time (minute):** 420.0
  - **Level End:** 33.8 m
  - **Drawdown:** 21.3 m
  - **Rec'd Intake (m):**

## Laboratory:
- **pH (pH unit):**
  - **COD:**
  - **SAR:**
  - **TDS:**
  - **TKN:**
  - **Sodium:**
  - **Nitrate:**
  - **Strontium:**
  - **Potassium:**
  - **Nitrite:**
  - **Molybdenum:**
  - **Calcium:**
  - **TN:**
  - **Vanadium:**
  - **Magnesium:**
  - **TC:**
  - **Zinc:**
  - **Carbonate:**
  - **DIC:**
  - **Hydroxide:**
  - **Bicarbonate:**
  - **Arsenic:**
  - **Total Hardness:**
  - **Aluminum:**
  - **Barium:**
  - **Manganese:**
  - **Sulphate:**
  - **Beryllium:**
  - **Phosphate:**
  - **Chloride:**
  - **Cadmium:**
  - **Ion Balance:**
  - **Fluoride:**
  - **Chromium:**
  - **Amm. Nitrogen:**
  - **Iron:**
  - **Cobalt:**
  - **Total Phosphate:**
  - **TOC:**
  - **Copper:**
  - **Total Alkalinity:**
  - **Silica:**
  - **Lead:**
  - **Nitrate&Nitrite N:**

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

### Depth Elevation

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>4.6</td>
<td>696.4</td>
<td>Sand</td>
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<tr>
<td>13.7</td>
<td>687.3</td>
<td>Clay Silty</td>
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<td>25.3</td>
<td>675.7</td>
<td>Clay Stoney</td>
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<tr>
<td>27.4</td>
<td>673.6</td>
<td>Shale</td>
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<tr>
<td>28.7</td>
<td>672.4</td>
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<tr>
<td>29.3</td>
<td>671.7</td>
<td>Sandstone</td>
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<tr>
<td>30.5</td>
<td>670.5</td>
<td>Shale</td>
</tr>
<tr>
<td>31.4</td>
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<tr>
<td>36.0</td>
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<td>38.4</td>
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<tr>
<td>41.8</td>
<td>659.2</td>
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<td>43.0</td>
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<td>46.3</td>
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<td>58.8</td>
<td>642.2</td>
<td>Sandstone</td>
</tr>
<tr>
<td>59.7</td>
<td>641.3</td>
<td>Shale</td>
</tr>
</tbody>
</table>

### Electric Log
- **Transmissivity:** m²/day

### Gamma Log
- **Storativity:**

### Aquifer Test
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
  - **Well Field Verified:** No
**SW 12-051-27 W4M**

**Well Number 01085**

**Well Owner:** Graminia School (Cty Parkland)
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 703
**AEP:** 159255
**Licence No.:** 76.150.06
**Date Started:** 20 Jul 81
**Nortthing:** 5,913,354.50
**Date Completed:** 21 Jul 81

---

### General:

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
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</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
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<tr>
<td>Well Use:</td>
<td>Municipal</td>
</tr>
</tbody>
</table>

**Completed Depth:** 56.1 (m)
**NPWL (m):** 9.8
**Verified NPWL (m):**

**Abandonment:**

### Casing:

| Type: | Steel |
| Depth (m): | 34.1 |
| Bottom (m): | 34.1 |
| OD (mm): | 141.2 |
| Thickness (mm): | 34.1 |

**Seal Type:** Formation Packer
**from (m):** to 34.1

### Liner:

| Type: | Formation Packer |
| OD (mm): | 114.3 |
| Thickness (mm): | 55.2 |

**Perforated How:** Unknown
**from (m):** 34.1 to 55.2

### Screen:

| Material: | Steel |
| OD (mm): | 34.1 |
| Thickness (mm): | 55.2 |

**Open Hole:**
**from (m):**
**to**

### Pump:

| Model: |
| Intake (m): |

### Testing:

| Rate (lpm): | 16.0 |
| Time (minute): | 420.0 |
| Level End (m): | 14.6 |
| Drawdown (m): | 4.9 |
| Rec'd intake (m): |
| Rec'd Rate (lpm): |

### Laboratory:

| pH (pH unit): | 7.0 |
| Cond. (µS/cm): | 0.4 |
| COD: | 0.4 |
| Mercury: |
| SAR: | 0.4 |
| Nickel: |
| TDS: | 0.4 |
| KTN: |
| Selenium: |
| Sodium: | 0.4 |
| Nitrate: |
| Strontium: |
| Potassium: | 0.4 |
| Nitrite: |
| Molybdenum: |
| Calcium: | 0.4 |
| TN: |
| Vanadium: |
| Magnesium: | 0.4 |
| TC: |
| Zinc: |
| Carbonate: | 0.4 |
| DIC: |
| Hydroxide: |
| Bicarbonate: | 0.4 |
| Arsenic: |
| Total Hardness: |
| Aluminum: | 0.4 |
| Barium: |
| Manganese: |
| Sulphate: | 0.4 |
| Beryllium: |
| Phosphorus: |
| Chloride: | 0.4 |
| Cadmium: |
| Ion Balance: |
| Fluoride: | 0.4 |
| Chromium: |
| Amm. Nitrogen: |
| Iron: | 0.4 |
| Cobalt: |
| Total Phosphate: |
| TOC: | 0.4 |
| Copper: |
| Total Alkalinity: |
| Silica: | 0.4 |
| Lead: |
| Nitrate&Nitrite N: |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Electric Log:

**Transmissivity:** m²/day
**Gamma Log:** Storativity:
**Aquifer Test:** Project:
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*

---

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 17.4
- **Verifed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 34.4
- **Bottom (m):** 34.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 34.4

### Liner:
- **Type:** Plastic
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 31.4
- **Bottom (m):** 63.1
- **Perforated How:** Machine
- **from (m):** to 31.4
- **Size:**
- **from (m):** to 63.1
- **Size:**
- **from (m):** to 63.1
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 24.4
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrate N:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Yes
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NE 13-051-27 W4M**

**Well Owner:** Johnson, Dan  
**Drilling Contractor:** Rodco Drilling

**Well Number:** 01087  
**Elevation (AMSL) (m):** 702  
**AEP:** 163393  
**Licence No.:** Easting: 77,096.84  
**Date Started:** 07 Oct 91  
**Northing:** 5,916,040.00  
**Date Completed:** 08 Oct 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** 18.3  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 24.4  
- **Bottom (m):** 24.4  
- **OD (mm):** 152.4  
- **Seal Type:** Driven  
- **Thickness (mm):** 0.1  
- **from (m):**  
- **to 24.4**  
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 21.9  
- **Bottom (m):** 58.8  
- **Perforated How:** Machine  
- **from (m):** 34.4  
- **to 37.5**  
- **Size:**  
- **from (m):** 52.7  
- **to 58.8**  
- **Size:**  
- **from (m):**  
- **Size:**  
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to Size:**  
- **from (m):**  
- **to Size:**  
- **from (m):**  
- **Pump:**  
- **Model:**  
- **Intake (m):** 51.8  
- **Rate (lpm):** 16.0  
- **Time (minute):** 120.0  
- **Level End (m):** 51.8  
- **Drawdown (m):** 33.5  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 13.7  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrite:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrate:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Remarks:**
Well Number: 01088
Well Owner: Lemke, Blaine
Drilling Contractor: Unknown Driller
Elevation (AMSL) (m): 704
Licence No.: 161600
Date Started: 
Date Completed: 
Easting: 77,156.27
Northing: 5,815,716.00

**General:**
- **Type of Work:** Chemistry
- **Well Use:** Domestic
- **Completed Depth:** 18.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
- **Open Hole:**
  - **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Potassium:** Molybdenum
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Depth Elevation**

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<th>(BGL)</th>
<th>(AMSL)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>(No Lithologic Information Available)</td>
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</table>

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Data:**
- Electric Log: No
- Transmissivity: m³/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No
Well Number: **01089**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Depth Elevation (m) (mL)**

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<tr>
<th>Depth</th>
<th>Elevation</th>
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<tbody>
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<td>78.9</td>
<td>700.0</td>
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<tr>
<td>76.852</td>
<td>Clay Blue</td>
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<tr>
<td>7.6</td>
<td>698.5</td>
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<td>10.1</td>
<td>696.0</td>
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<tr>
<td>25.9</td>
<td>680.2</td>
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<td>30.5</td>
<td>675.6</td>
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<td>35.0</td>
<td>671.0</td>
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<td>40.2</td>
<td>665.9</td>
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<td>634.2</td>
</tr>
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<td>78.9</td>
<td>627.2</td>
</tr>
</tbody>
</table>

**Lithologic Description:**

- Sand
- Clay Blue
- Shale Brittle Green
- Shale Sandy Gray
- Shale Green
- Sandstone
- Coal
- Shale Gray

**Laboratory:**

- **pH** (pH unit)
- **Cond.** (µS/cm)
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminum**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Number: 01090

Well Owner: Rattray, Bob
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 704
AEP: 245044
Licence No.: 77,156.27
Date Started: 06 May 94
Norting: 5,815,725.00
Date Completed: 07 May 94

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 56.1 (m)
- NPWL (m): 22.9
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 36.6
- Bottom (m): 36.6
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Formation Seal
- from (m): to 36.6

Liner:
- Type:
- OD (mm): 127.0
- Thickness (mm): 0.1
- Top (m): 35.0
- Bottom (m): 55.2
- Perforated How: Saw
- from (m): to 55.2
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Jacuzzi
- Intake (m):

Testing:
- Rate (lpm): 22.8
- Time (minute): 120.0
- Level End (m): 33.5
- Drawdown (m): 10.7
- Rec’d Rate (lpm): 33.5
- Rec’d intake (m): 22.8

Laboratory:
- pH (pH unit):
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aliminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- Project: Database: 1.000H

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Well Number: 01090

Depth  Elevation  Lithologic Description
(m)  (m)
11.3  693.1  Sand
26.2  678.2  Clay Blue
27.4  676.9  Shale Green
29.9  674.5  Shale Brown
38.1  666.3  Shale Green
43.3  661.1  Shale Sandy Gray
43.9  660.5  Shale Gray
56.1  648.3  Shale Sandy Gray
**NW 13-051-27 W4M**

**Well Owner:** Bailie, Dan  
Drilling Contractor: Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 705  
**AEP:** 153276  
**Licence No.:** Easting: 75,944.94  
**Date Started:** 17 Oct 90  
**Nording:** 5,916,072.50  
**Date Completed:** 19 Oct 90

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Cable Tool  
- **Well Use:** Domestic

Completed Depth 62.5 (m)  
NPWL (m): 18.3  
Verified NPWL (m):

Abandonment:

**Casing:**
- **Type:** Steel  
- **Depth (m):** 37.8  
- **Bottom (m):** 37.8  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- from (m): 12.2  
- to 37.8

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 36.6  
- **Bottom (m):** 62.5  
- **Perforated How:** Torch  
- from (m): 36.6  
- to 62.5  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- from (m): to  
- from (m): to  
- **Screen:**

**Open Hole:**
- from (m): to

**Pump:** Sub  
Model: Goulds  
Intake (m):

**Testing:**
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 62.5  
- **Drawdown (m):** 44.2  
- **Rec'd Rate (lpm):** 45.7  
- **Rec'd intake (m):** 22.8

---

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No  
**Transmissivty:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number:** 01092

**Well Owner:** Cline, Gord

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 702

**Licence No.:** Easting: 77,240.47

**Date Started:** Northing: 5,814,961.50

**Date Completed:**

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<td>Abandonment:</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth (m): 
- NPWL (m): 
- Veriﬁed NPWL (m): 
- Abandonment: 

**Casing:**
- Type: 
- Depth (m): Bottom (m): 
- OD (mm): Thickness (mm): 
- Seal Type: from (m): to 

**Liner:**
- Type: 
- OD (mm): Thickness (mm): 
- Top (m): Bottom (m): 
- Perforated How: from (m): to Size: 
- from (m): to Size: 
- from (m): to Size: 

**Screen:**
- Material: 
- OD (mm): from (m): to Size: 
- from (m): to Size: 

**Open Hole:**
- from (m): to 

**Pump:**
- Model: 
- Intake (m): 
- Rate (lpm): 
- Time (minute): 
- Level End (m): Drawdown (m): 
- Rec’d intake (m): Rec’d Rate (lpm): 

**Laboratory:**
- pH (pH unit): COD Mercury 
- Cond. (µS/cm): SAR Nickel 
- TDS: TKN Selenium 
- Sodium: Nitrate Strontium 
- Potassium: Nitrite Molybdenum 
- Calcium: TN Vanadium 
- Magnesium: TC Zinc 
- Carbonate: DIC Hydroxide 
- Bicarbonate: Arsenic Total Hardness 
- Aluminium: Barium Manganese 
- Sulphate: Beryllium Phosphate 
- Chloride: Cadmium Ion Balance 
- Fluoride: Chromium Amm. Nitrogen 
- Iron: Cobalt Total Phosphorus 
- TOC: Copper Total Alkalinity 
- Silica: Lead Nitrate&Nitrite N 

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**NE 18-051-27 W4M**

**Well Owner:** Eberhardt, Henry  
**Drilling Contractor:** Countryside Drilling

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m) (m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>Plastic</td>
<td>3.1 712.5 Sand See Comments</td>
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<tr>
<td>Well Use: Domestic &amp; Stock</td>
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<td>9.1 706.5 Clay Sandy</td>
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<td>Completed Depth 30.5 (m)</td>
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<td>21.3 694.3 Shale Hard</td>
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<td>NPWL (m): 4.6</td>
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<td>30.5 685.1 Sandstone &amp; Shale Ledges Water</td>
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</table>

**Abandonment:** No

**Casing:**
- Type: Plastic
- Depth (m): 29.6 Bottom (m): 29.6
- OD (mm): 127.0 Thickness (mm): 0.1
- Seal Type: Puddled Clay
  - from (m): to 26.5

**Liner:**
- Type:
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
      - from (m): to Size:
      - from (m): to Size:

**Screen:**
- Material: 
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:** Unknown
- Model: Intake (m): 18.3
- Testing:
  - Rate (lpm): 13.7 Time (minute): 720.0
  - Level End (m): 9.1 Drawdown (m): 4.6
  - Rec'd intake (m): Rec'd Rate (lpm): 13.7

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite N

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 01094

**Elevation (AMSL) (m): 716**  
**AEP: 155167**

**Licence No.:** Easting: 68,796.59  
**Date Started:** 09 Aug 90 Northing: 5,915,962.50  
**Date Completed:** 15 Aug 90

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 18-051-27 W4M**

**Well Owner:** Breitkreutz, J.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 716

**AEP:** 219547

**Date Started:** 09 Sep 93

**Date Completed:** 10 Sep 93

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<td>(m)</td>
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<tr>
<td>2.7</td>
<td>713.3 Clay Brown</td>
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<tr>
<td>4.3</td>
<td>711.7 Sand &amp; Coal Coarse Grained</td>
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<tr>
<td>7.0</td>
<td>709.0 Clay Brown</td>
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<tr>
<td>12.8</td>
<td>703.2 Clay Gray</td>
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<tr>
<td>14.0</td>
<td>702.0 Shale &amp; Coal Brown</td>
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<td>16.5</td>
<td>699.5 Sandstone</td>
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<tr>
<td>18.6</td>
<td>697.4 Shale Green</td>
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<td>20.7</td>
<td>695.3 Sandstone</td>
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<td>21.9</td>
<td>694.1 Shale Green</td>
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<tr>
<td>25.3</td>
<td>690.7 Sandstone</td>
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<tr>
<td>26.5</td>
<td>689.5 Shale Gray</td>
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<tr>
<td>27.4</td>
<td>688.6 Shale Green</td>
</tr>
</tbody>
</table>

**Lithologic Description**

- Type: Plastic
- Depth (m): 18.3
- Bottom (m): 18.3
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Driven & Bentonite
- from (m): 15.2 to 16.8

**Casing**

- Type: Plastic
- Depth (m): 18.3
- Bottom (m): 18.3
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 15.2
- Bottom (m): 27.4
- Perforated How: Saw
- from (m): 19.8 to 25.9
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

**Screen**

- Material: Plastic
- OD (mm): 114.3
- from (m): to
- Size:
- from (m): to
- Size:

**Open Hole**

- from (m): to

**Pump**

- Model: 7g07422
- Intake (m): 14.9

**Testing**

- Rate (lpm): 95.8
- Time (minute): 120.0
- Level End (m): 14.9
- Drawdown (m): 8.5
- Rec'd Rate (lpm): 45.6
- Rec'd intake (m):

**Laboratory**

- pH (pH unit): 7
- Cond. (µS/cm): 450
- TDS: 35
- Sodium: 120
- Nitrate: 20
- Potassium: 10
- Calcium: 50
- Magnesium: 50
- Carbonate: 50
- Bicarbonate: 50
- Aluminium: 50
- Barium: 50
- Sulphate: 50
- Beryllium: 50
- Chloride: 50
- Cadmium: 50
- Fluoride: 50
- Chromium: 50
- Iron: 50
- TOC: 50
- Silica: 50
- COD: 50
- Nickel: 50
- Selenium: 50
- Strontium: 50
- Sodium: 50
- Nitrite: 50
- Molybdenum: 50
- Nitrate: 50
- Nitrite: 50
- Manganese: 50
- Phosphate: 50
- Lead: 50
- Ammonium: 50
- Nitrate: 50
- Total Hardness: 50
- Total Phosphate: 50
- Total Alkalinity: 50
- Lead: 50
- Nitrate: 50
- Nitrite: 50
- Sodium: 50
- Lead: 50
- Nitrate: 50
- Nitrite: 50
- Sodium: 50
- Lead: 50
- Nitrate: 50
- Nitrite: 50
- Sodium: 50

**Remarks**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Test Hole
- **Well Use:** Unknown
- **Drilling Method:** Rotary

- **Completed Depth:** 24.4 (m)
- **NPWL (m):** Verified NPWL (m):

- **Abandonment:** Unknown

**Casing:**
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - Thickness (mm):

**Liner:**
- **Type:**
  - OD (mm):
  - Top (m):
  - Thickness (mm):
  - Perforated How:

- from (m):
- to
- Size:

**Screen:**
- **Material:**
  - OD (mm):
  - Thickness (mm):

- from (m):
- to
- Size:

**Open Hole:**
- from (m):
- to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: **01097**

**Basler, Herman**

**Cobob Pumps And Services Ltd.**

**Licence No.: Easting:**

**Date Started: 27 Sep 95**  
**Date Completed: 28 Sep 95**

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

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<th>Completed Depth (m)</th>
<th>NPWL (m)</th>
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<td>8.8</td>
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### Abandonment:
- **Type:** Plastic
- **Depth (m):** 30.2  
  **Bottom (m):** 30.2
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1

### Seal Type:
- **Type:** Driven & Bentonite
- **from (m):** 27.4  
  **to 30.2**

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 29.0  
  **Bottom (m):** 48.8

### Perforated How:
- **Machine**
- **from (m):** 36.0  
  **to 47.2**  
  **Size:**
- **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to  
  **Size:**
  - **from (m):** to  
  **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Gould
- **Intake (m):** 33.5

### Testing:
- **Rate (lpm):** 16.0  
  **Time (minute):** 120.0
- **Level End (m):** 33.5  
  **Drawdown (m):** 24.7
- **Rec'd Intake (m):** 34.4  
  **Rec'd Rate (lpm):** 13.7

### Laboratory:

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<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**  
  **Transmissivity:** m²/day

### Gamma Log:
- **No**  
  **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**  
  **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**NW 19-051-27 W4M**

**Well Owner:** McIntyre, Al  
**Drilling Contractor:** D&D Water Well Drilling & Services

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**Well Number: 01098**

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Drilling Method: **Rotary**  
Well Use: **Domestic**  
Completed Depth: 67.7 (m)  
NPWL (m): 13.7  
Verified NPWL (m):  
Abandonment:  
**Casing:**  
Type: **Plastic**  
Depth (m): 33.2  
Bottom (m): 33.2  
OD (mm): 152.4  
Thickness (mm): 0.1  
Seal Type: **Shale Trap & Bentonite**  
from (m): to 33.2 |

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<th>Liner:</th>
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| Type:  
OD (mm): 114.3  
Top (m): 32.3  
Bottom (m): 67.7  
Perforated How: **Other**  
from (m): to 35.0  
to 67.1  
Size:  
from (m): to Size:  
from (m): to Size: |

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| Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size: |

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<td>from (m): to</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump:</th>
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</table>
| Model:  
Intake (m): |

<table>
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<th>Testing:</th>
</tr>
</thead>
</table>
| Rate (lpm): 18.2  
Time (minute): 480.0  
Level End (m): 45.7  
Drawdown (m): 32.0  
Rec’d intake (m):  
Rec’d Rate (lpm): |

<table>
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| pH (pH unit):  
Cond. (µS/cm):  
TDS:  
Sodium:  
Potassium:  
Calcium:  
Magnesium:  
Carbonate:  
Bicarbonate:  
Aluminium:  
Sulphate:  
Chloride:  
Fluoride:  
Iron:  
TOC:  
Silica:  
COD:  
SAR:  
TN:  
TC:  
DIC:  
Mercury:  
Nickel:  
Selenium:  
Selenium:  
Vanadium:  
Molybdenum:  
Zinc:  
Hydroxide:  
Arsenic:  
Total Hardness:  
Manganese:  
Phosphorus:  
Ion Balance:  
Amm. Nitrogen:  
Total Phosphate:  
Total Phosphate:  
Total Alkalinity:  
Nitrate:  
Nitrite:  
NS:  
Lead:  
Nitrate&Nitrite N:  
Chemical Constituents are in mg/l (ppm). Except as noted. |

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<th>Electric Log:</th>
<th>No</th>
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<tr>
<td>Gamma Log:</td>
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<tr>
<td>Aquifer Test:</td>
<td>No</td>
</tr>
<tr>
<td>Project:</td>
<td>Database: 1.000H</td>
</tr>
</tbody>
</table>
| AEP Data:     | Yes  
Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 19.2 (m)
- **NPWL (m):** 4.0
- **Verified NPWL (m):**
- **Abandonment:**

## Casting:

- **Type:** Galvanized Steel
- **Depth (m):** 19.2
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Welded Ring
- **from (m):** 9.4

## Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 19.2
- **Perforated How:** Torch
- **from (m):** 9.4
- **to:** 19.2
- **Size:**

## Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

## Open Hole:

- **from (m):**

## Pump:

- **Model:**
- **Intake (m):** 16.8

## Testing:

- **Rate (lpm):** 136.8
- **Time (minute):** 240.0
- **Level End (m):** 18.3
- **Drawdown (m):** 14.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 136.8

### Laboratory:

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<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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<td>COD</td>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
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<td>DIC</td>
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<td>Bicarbonate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

### Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 01099

**Elevation (AMSL) (m):** 715

**AEP:** 154342

**Licence No.:**

**Easting:** 66,902.89

**Northing:** 5,916,287.00

**Date Started:** 17 Sep 80

**Date Completed:** 17 Sep 80

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay Sandy 6.1 708.5</td>
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<tr>
<td>Silt Sandy 8.5 706.1</td>
</tr>
<tr>
<td>Shale Brown 8.8 705.8</td>
</tr>
<tr>
<td>Coal 9.1 705.5</td>
</tr>
<tr>
<td>Shale Green 10.7 703.9</td>
</tr>
<tr>
<td>Sandstone &amp; Shale Ledges Soft 19.2 695.4</td>
</tr>
</tbody>
</table>

**Electric Log:** Yes

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 94.5 m
- **NPWL (m):** 29.0
- **Verified NPWL (m):**

**Abandonment:**

- **Type:** Plastic
- **Depth (m):** 41.8
- **Bottom (m):** 41.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
- **from (m):** 39.6
- **to:** 41.8

**Casing:**

- **Type:** Plastic
- **Depth (m):** 82.3
- **Bottom (m):** 94.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 39.6
- **Bottom (m):** 94.5

**Perforated How: Saw**
- **from (m):** 82.3
- **to:** 94.5
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:** Sub

- **Model:** Gould
- **Intake (m):** 82.3

**Testing:**

- **Rate (lpm):** 4.6
- **Time (minute):** 680.0
- **Level End (m):** 82.3
- **Drawdown (m):** 53.3
- **Rec'd intake (m):** 80.8
- **Rec'd Rate (lpm):** 4.6

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Concentration (mg/l)</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Silica</td>
<td>Lead</td>
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<tr>
<td>DIC</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Owner: Kroon, Bob
Drilling Contractor: Cobob Pumps And Services Ltd.

<table>
<thead>
<tr>
<th>Well Number: 01101</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m): 711</td>
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<tr>
<td>AEP: 208791</td>
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<tr>
<td>Licence No.: Easting: 75,566.49</td>
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<tr>
<td>Date Started: 26 Feb 93 Northing: 5,917,394.00</td>
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<tr>
<td>Date Completed: 03 Mar 93</td>
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**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth 106.7 (m)
- NPWL (m): 18.6 Verified NPWL (m): 1
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 32.6 Bottom (m): 32.6
- OD (mm): 152.4 Thickness (mm): 0.1
- Seal Type:Shale Trap & Bentoni
  - from (m): 31.1 to 32.6

**Liner:**
- Type:
  - OD (mm): 114.3 Thickness (mm): 0.1
  - Top (m): 27.4 Bottom (m): 106.7
- Perforated How: Saw
  - from (m): 39.6 to 45.7 Size:
  - from (m): 70.1 to 82.3 Size:
  - from (m): 94.5 to Size:

**Screen:**
- Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:** Sub
- Model: Jacuzzi 7s4518p
  - Intake (m): 91.4

**Testing:**
- Rate (lpm): 6.8 Time (minute): 240.0
- Level End (m): 91.4 Drawdown (m): 72.8
- Rec'd intake (m): 99.1 Rec'd Rate (lpm): 4.6

**Laboratory:**
- pH (pH unit) COD Mercury
  - Cond. (µS/cm) SAR Nickel
  - TDS TKN Selenium
  - Sodium Nitrate Strontium
  - Potassium Nitrite Molybdenum
  - Calcium TN Vanadium
  - Magnesium TC Zinc
  - Carbonate DIC Hydroxide
  - Bicarbonate Arsenic Total Hardness
  - Aluminum Barium Manganese
  - Sulphate Beryllium Phosphate
  - Chloride Cadmium Ion Balance
  - Fluoride Chromium Amm. Nitrogen
  - Iron Cobalt Total Phosphate
  - TOC Copper Total Alkalinity
  - Silica Lead Nitrate&Nitrite N

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
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<tbody>
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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>5.5</td>
<td>705.5</td>
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<td>25.9</td>
<td>686.1</td>
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<tr>
<td>106.7</td>
<td>604.4</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

Electric Log: No  Transmissivity:  m³/day
Gamma Log: No  Storativity:
Aquifer Test: No
Project:  Database: 1.000H
AEP Data: Yes  Well Field Verified: No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Intake (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No  Transmissivity: m²/day
**Gamma Log:** No  Storativity:
**Aquifer Test:** No  Project:
**AEP Data:** Yes  Database: 1.000H

### Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Rotary
- **Well Use:** Domestic

- **Completed Depth:** 41.2 m (m)
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to
- **Seal Thickness (mm):**

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Perforated Thickness (mm):**

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **OD (mm):** from (m): to Size:
- **Screen Thickness (mm):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Pump Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Calcium:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Laboratory:** Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
Well Owner: Lee, Wilma
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 703
AEP: 161602
Licence No.: Unknown Driller
Date Started: 76,499.82
Date Completed: 5,916,906.00

Well Number: 01104

General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth (m):
NPWL (m): 
Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:

pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminium: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm), Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

(No Lithologic Information Available)
EH 24-051-27 W4M

Well Owner: W.G.K.Investments/Greg Rosin
Drilling Contractor: Shumansky Waterwell Services Ltd.

Well Number: 01105

Elevation (AMSL) (m): 704
AEP: 159292
Licence No.: Easting: 77,044.89
Date Started: 02 Apr 91
Northing: 5,916,443.50
Date Completed: 02 Apr 91

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth 13.7 (m)
NPWL (m): 2.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 13.7 Bottom (m): 13.7
OD (mm): 609.6 Thickness (mm): 0.0
Seal Type: Cuttings from (m): to 2.4

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 7.3
from (m): 9.8 to 10.4 Size: 0.02
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 27.4 Time (minute): 120.0
Level End (m): 10.7 Drawdown (m): 8.5
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphat
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**EH 24-051-27 W4M**

**Well Number:** 01106

**Well Owner:** Wgk Investments  
**Drilling Contractor:** Shumansky Waterwell Services Ltd.

<table>
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<th>Value</th>
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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic
- **Completed Depth:** 13.1 m  
- **NPWL (m):** 2.4  
- **Elevation (AMSL) (m):** 705
- **Veriﬁed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 13.1  
- **Bottom (m):** 13.1
- **OD (mm):** 609.6  
- **Thickness (mm):** 0.0
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 7.3  
- **from (m):** 9.8  
- **to:** 10.4  
- **Size:** 0.01
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 10.7

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 12.2  
- **Drawdown (m):** 9.8  
- **Rec’d intake (m):** 10.7  
- **Rec’d Rate (lpm):**

### Laboratory:

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**  
- **Transmissivity: m³/day**

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
Well Number: 01107

EH 24-051-27 W4M

Well Owner: Wgk Investments Hole #3
Drilling Contractor: Shumansky Waterwell Services Ltd.

Elevation (AMSL) (m): 705
AEP: 158390
Licence No.: Easting: 77,049.52
Date Started: 24 Apr 91
Norting: 5,816,492.00
Date Completed: 24 Apr 91

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth: 14.3 (m)
NPWL (m): 1.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 14.3 Bottom (m): 14.3
OD (mm): 609.6 Thickness (mm): 0.0
Seal Type: Formation Packer
from (m): to 3.1

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 7.3
from (m): 10.7 to 11.3 Size: 0.02
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 6.8 Time (minute): 120.0
Level End (m): 12.2 Drawdown (m): 10.4
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project:
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 24-051-27 W4M**  
**Well Number:** 01108

**Well Owner:** Mazar, Troy & Monica  
**Drilling Contractor:** Double R Drig

**Elevation (AMSL) (m):** 703  
**AEP:** 166256  
**Date Started:** 12 May 92  
**Date Completed:** 14 May 92

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**Laboratory:**

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<th>Sodium</th>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
  - Depth (m): Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

## Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:
- **Open Hole:**
  - from (m): to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01111

General:

Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic

Completed Depth: 105.2 (m)
NPWL (m): 21.3

Abandonment:

Casing:

Type: Steel
Depth (m): 35.0 Bottom (m): 35.0
OD (mm): 141.2 Thickness (mm): 0.1

Seal Type: Formation Packer
from (m): to 35.0

Liner:

Type: Steel
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 35.0 Bottom (m): 104.2

Perforated How: Torch
from (m): 35.0 to 104.2 Size:
from (m): to Size:
from (m): to Size:

Screen:

Material: Steel
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:

Model:

Testing:

Rate (lpm): 6.8 Time (minute): 420.0
Level End (m): 73.2 Drawdown (m): 51.8
Rec’d Rate (lpm):
Rec’d intake (m):

Laboratory:

pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Barium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD: Mercury
SAR: Nickel
TKN: Selenium
Nitrate: Strontium
Nitrite: Molybdenum
TN: Vanadium
TC: Zinc
DIC: Hydroxide
Arsenic: Total Hardness
Beryllium: Manganese
Beryllium: Phosphorus
Cadium: Ion Balance
Chromium: Amm. Nitrogen
Cobalt: Total Phosphate
Copper: Total Alkalinity
Lead: Nitrate

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
## NW 24-051-27 W4M

**Well Number:** 01112

**Well Owner:** Laurie, Dave

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 706

**AEP:** 208798

**Licence No.:** Easting: 76.116.61

**Date Started:** 02 Nov 92

**No.** 5,917,381.00

**Date Completed:** 05 Nov 92

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 106.7 (m)

**NPWL (m):** 27.7

**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 33.5
- **Bottom (m):** 33.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentoni

**from (m):** 32.0 to 32.9

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1

**Top (m):** 32.0

**Bottom (m):** 106.7

**Perforated How:** Saw

**from (m):** 61.0 to 79.2

**Size:**

**from (m):** 91.4 to 106.7

**Size:**

**from (m):**

**Size:**

### Screen:
- **Material:**
- **OD (mm):**

**from (m):** to

**Size:**

**from (m):** to

**Size:**

### Open Hole:

**from (m):** to

### Pump:
- **Model:** Jaccuzi 7s4518p
- **Intake (m):** 91.4

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 740.0
- **Level End (m):** 91.4
- **Drawdown (m):** 63.7
- **Rec'd Rate (lpm):** 89.9
- **Rec'd intake (m):** 4.6

### Laboratory:

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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes** Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 24-051-27 W4M**

**Well Owner:** Win Alta Shelters  
**Drilling Contractor:** Rodco Drilling

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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 69.5 (m)  
- **NPWL (m):** 22.6  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 30.5  
- **Bottom (m):** 30.5  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 30.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 29.0  
- **Bottom (m):** 68.0

**Perforated How:** Machine
- **from (m):** to 43.3  
- **Size:**
- **from (m):** to 61.6  
- **Size:**
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 13.7  
- **Time (minute):** 480.0  
- **Level End (m):** 48.8  
- **Drawdown (m):** 26.2  
- **Rec'd intake (m):** 57.9  
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- pH (pH unit): COD  
- Cond. (µS/cm): SAR  
- TDS: TKN  
- Sodium: Nitrate  
- Potassium: Nitrite  
- Calcium: TN  
- Magnesium: TC  
- Carbonate: DIC  
- Bicarbonate: Arsenic  
- Aluminium: Barium  
- Sulphate: Beryllium  
- Chloride: Cadmium  
- Fluoride: Chromium  
- Iron: Cobalt  
- TOC: Copper  
- Silica: Lead  
- Open Hole:  
- Pump:  
- Laboratory:  
- Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
**SE 24-051-27 W4M**

**Well Number:** 01114

**Well Owner:** Fritz, Joe

**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 704

**AEP:** 155653

**Licence No.:** 76,980.69

**Date Started:** 21 Feb 91

**Northing:** 5,916,639.50

**Date Completed:** 24 Feb 91

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 62.5 (m)
  - NPWL (m): 13.7
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - Type: Plastic
  - Depth (m): 21.9
  - Bottom (m): 21.9
  - OD (mm): 152.4
  - Thickness (mm): 0.1
  - Seal Type: Driven
  - from (m): to 21.9
- **Liner:**
  - Type:
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 18.3
  - Bottom (m): 62.5
- **Perforated How:** Machine
  - from (m): 56.4 to 62.5
  - Size:
  - from (m): to Size:
  - from (m): to Size:
- **Screen:**
  - Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:
- **Open Hole:**
  - from (m): to
- **Pump:**
  - Model:
  - Intake (m): 53.3
- **Testing:**
  - Rate (lpm): 27.4
  - Time (minute): 120.0
  - Level End (m): 53.3
  - Drawdown (m): 39.6
  - Rec'd intake (m):
  - Rec'd Rate (lpm): 27.4

---

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Silicate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Vanadium:**
- **Zinc:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Alkalinity:**
- **Beryllium:**
- **Phosphate:**
- **Iron:**
- **Cadmium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Fluoride:**
- **Nickel:**
- **Total Alkalinity:**
- **Cadmium:**
- **Copper:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
SE 24-051-27 W4M

Well Owner: Martin, N.

Drilling Contractor: Cobob Pumps And Services Ltd.

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 73.2 (m)
- NPWL (m): 24.4
- Verification: Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 57.9
- Bottom (m): 57.9
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): 24.4 to 27.4

**Liner:**
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 24.4
- Bottom (m): 73.2
- Perforated How: Machine
- from (m): 57.9 to 70.1
- Size:
- from (m): Size:
- from (m): Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Sub
- Model: Gould
- Intake (m): 57.9

**Testing:**
- Rate (lpm): 18.2
- Time (minute): 180.0
- Level End (m): 57.9
- Drawdown (m): 33.5
- Rec'd Intake (m): 56.4
- Rec'd Rate (lpm): 18.2

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

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<th>mg/l (ppm)</th>
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<td>COD</td>
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<td>Selenium</td>
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<tr>
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<td>Molybdenum</td>
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<td>Bicarbonate</td>
<td>Total Hardness</td>
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<td></td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<td>18.0</td>
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<td>29.9</td>
<td>678.5</td>
<td>Shale Gray</td>
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<td>33.5</td>
<td>674.9</td>
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<td>36.0</td>
<td>672.4</td>
<td>Shale &amp; Coal Brown</td>
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<tr>
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<td>668.5</td>
<td>Shale Medium Grained Gray</td>
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</tr>
<tr>
<td>73.2</td>
<td>635.3</td>
<td>Shale Gray</td>
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**Remarks:**

- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 01116

**Well Owner:** Brusselers, Cor

**Drilling Contractor:** Kc Drilling (Leduc)

**Elevation (AMSL) (m):** 704

**AEP:** 235346

**Licence No.:** Easting: 77,136.18

**Date Started:** 31 May 93

**Northing:** 5,916,121.00

**Date Completed:** 01 Jun 93

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 17.7 (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 17.7
- **Bottom (m):** 17.7
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 3.1 to 3.7

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** Ga
- **OD (mm):** 7.0
- **from (m):** 12.8 to 13.1
- **Size:** 0.02
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 136.8
- **Time (minute):** 180.0
- **Level End (m):** 17.1
- **Drawdown (m):** 7.9
- **Rec'd intake (m):** 16.8
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98

**Database:** 1.000H

**Electric Log:** No
 **Transmissivity:** m²/day

**Gamma Log:** No
 **Storativity:**

**Aquifer Test:** No

**Project:**

**AEP Data:** Yes
 **Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 15.9 (m)
- **NPWL (m):** 3.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 15.9
- **Bottom (m):** 15.9
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:** Bentonite Chips/Table
- **from (m):** 3.1 to 4.6

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** Ga
- **OD (mm):** 7.3
- **from (m):** 9.4 to 9.8
- **Size:** 0.01
- **from (m):** to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 136.8
- **Time (minute):** 120.0
- **Level End (m):** 15.2
- **Drawdown (m):** 11.5
- **Rec’d intake (m):** 14.6
- **Rec’d Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrates:**
- **Selenium:**
- **Molybdenum:**
- **Sulfates:**
- **Phosphates:**
- **Chlorides:**
- **Cadmium:**
- **Ion Balance:**
- **Fluorides:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphates:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 20.7 (m)
- **NPWL (m):** 10.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 20.7
- **Bottom (m):** 20.7
- **OD (mm):** 660.4
- **Thickness (mm):** 0.0
- **Seal Type:** Shale Trap
- **from (m):** to 6.1

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 7.3
- **from (m):** 14.9 to 15.5
- **Size:** 0.02
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 364.9
- **Time (minute):** 240.0
- **Level End (m):** 18.3
- **Drawdown (m):** 8.2
- **Rec'd Rate (lpm):** 16.8
- **Rec'd intake (m):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevations (BGL) (AMSL)**

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<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
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<tbody>
<tr>
<td>Sand</td>
<td>11.6</td>
<td>695.1</td>
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<tr>
<td>Till &amp; Clay</td>
<td>13.1</td>
<td>693.6</td>
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<td>Sand Silty</td>
<td>16.8</td>
<td>689.9</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>20.7</td>
<td>685.9</td>
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printed on 2/20/98
**Well Number:** 01119

**Well Owner:** Scabar, Bob

**Drilling Contractor:** Unknown Driller

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<th>Drilling Contractor: Unknown Driller</th>
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<td><strong>AEP:</strong> 273067</td>
<td><strong>Date Started:</strong></td>
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**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 12.8 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):** 7.50
- **COD:**
- **Mercury:**
- **Cond. (µS/cm) ** 700.0
- **SAR:**
- **Nickel:**
- **TDS:** 396.0
- **TKN:** 0.07
- **Selenium:**
- **Sodium:** 2.99
- **Nitrate:**
- **Strontium:**
- **Potassium:** 2.35
- **Nitrite:**
- **Molybdenum:**
- **Calcium:** 121.04
- **TN:**
- **Vanadium:**
- **Magnesium:** 22.98
- **TC:**
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** 402.67
- **Arsenic:**
- **Total Hardness:** 396.00
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** 35.06
- **Beryllium:**
- **Phosphate:**
- **Chloride:** 4.96
- **Cadmium:**
- **Ion Balance:** 1.08
- **Fluoride:** 0.16
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:** 0.10
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 330.0
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 20/20/98
**NE 25-051-27 W4M**

**Well Owner:** Scabar, R.M.

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Well Number:** 01120

**Elevation (AMSL) (m):** 706

**AEP:** 166978

**Licence No.:** Easting: 76,921.25

**Date Started:** 30 Jun 92

**Northing:** 5,918,811.47

**Date Completed:** 01 Jul 92

---

**General:**
- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Unknown

**Completed Depth:** 54.3 m

**NPWL (m):** Verified NPWL (m):

**Abandonment:** Unknown 01 Jul 92

---

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**
- **from (m):** to 
- **Size:**
- **from (m):** to 
- **Size:**
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to 
- **Size:**
- **from (m):** to 
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Laboratory:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**NW 25-051-27 W4M**

**Well Owner:** Taylor, C

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 65.2 (m)
- **NPWL (m):** 7.0
- **Verified NPWL (m):**

**Abandonment:**
- **Type:** Steel
- **Depth (m):** 33.2
- **OD (mm):** 114.3
- **Top (m):**
- **Bottom (m):** 64.3

**Seal Type:** Formation Packer
- **from (m):**
- **to (m):** 33.2

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):**
- **Bottom (m):** 64.3

**Perforated How:** Torch
- **from (m):**
- **to (m):**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to (m):**
- **Size:**

**Open Hole:**
- **from (m):**
- **to (m):**

**Pump:**
- **Model:**
- **Intake (m):** 42.7

**Testing:**
- **Rate (lpm):** 3.7
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

---

**Laboratory:**
- **pH (pH unit):** 8.40
- **COD:**
- **Nitrate:**
- **Ammonium:**
- **Phosphate:**
- **Sulphate:**
- **Chloride:** 7.09
- **Fluoride:** 1.98
- **Iron:**
- **TOC:**
- **Silica:**

- **Conductivity (µS/cm):** 1510
- **SAR:**
- **Nitrate:**
- **Molybdenum:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Barium:**
- **Calcium:**
- **Magnesium:**

- **DIC:**
- **pH:**
- **Sulphate:**
- **Bicarbonate:**
- **Magnesium:**
- **Chloride:**
- **Iron:**
- **Total Phosphate:**
- **Total Alkalinity:** 714.0

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL)**

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**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
  - NPWL (m): 6.1
- **Abandonment:**
- **Type:** Plastic
  - **Depth (m):** 18.3
  - **Bottom (m):** 18.3
- **OD (mm):** 125.5
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabled from (m): to 27.4

### Casting:
- **Type:** Plastic
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 125.5
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabled from (m): to 27.4

### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 0.9
  - **Size:** 0.01
  - from (m): to 18.3
  - from (m): to 19.8

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):** 19.8

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 420.0
- **Level End (m):** 16.8
- **Drawdown (m):** 10.7
- **Rec'd intake (m):** 16.8
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Potassium:**
- **Sodium:**
- **Nitrates:**
- **Sulfate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Vanadium:**
- **Calcium:**
- **Selenium:**
- **Barium:**
- **Manganese:**
- **Magnesium:**
- **Zinc:**
- **Carbomate:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Nickel:**
- **Selenium:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 76.2 (m)
- **NPWL:** 9.4
- **Verified NPWL:** (m):
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 31.7
- **Bottom (m):** 31.7
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 31.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 26.8
- **Bottom (m):** 76.2
- **Perforated How:** Torch
- **from (m):** 70.1 to 76.2
- **Size:**
- **from (m):** to 
- **from (m):** to 
- **from (m):** to 

### Screen:
- **Material:**
- **OD (mm):** from (m): to
- **from (m):** to
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub
- **Intake (m):**

### Testing:
- **Rate (lpm):** 2.3
- **Time (minute):** 180.0
- **Level End (m):** 76.2
- **Drawdown (m):** 66.8
- **Rec'd Rate (lpm):** 70.7

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
# NW 26-051-27 W4M

**Well Owner:** Hubbard, Neale  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.  

## General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 73.8 m  
- **NPWL (m):** 13.0  
- **Abandonment:** Cement  

## Casings:
- **Type:** Plastic  
- **Depth (m):** 32.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap  
- **from (m):** 32.0  
- **to:**  

## Liner:
- **Type:** Plastic  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 31.4  
- **Bottom (m):** 73.8  

## Lithologic Description:
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## Screen:
- **Material:** Plastic  
- **from (m):** to  
- **Size:**  

## Open Hole:
- **from (m):** to  

## Pump:
- **Model:**  
- **Intake (m):** 33.5  

## Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 22.3  
- **Drawdown (m):** 9.4  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

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## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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**Well Number:** 01124  
**Elevation (AMSL) (m):** 704  
**AEP:** 152681  
**Date Started:** 22 Aug 90  
**Date Completed:** 24 Aug 90  

**License No.:** 74,430.27  
**Northing:** 5,918,893.50

---

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 45.7
- **Bottom (m):** 45.7
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 45.7

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 42.7
- **Bottom (m):** 73.2
- **Perforated How:** Machine
- **from (m):** to 73.2
- **to:** Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 56.4

## Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 180.0
- **Level End (m):** 54.9
- **Drawdown (m):** 30.5
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

## Laboratory:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:** m³/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**
- **Database:** 1.000H

## AEP Data:
- **Well Field Verified:** No

### Depth Elevation

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Well Number: 01125

Well Owner: Mccann, Jack

Drilling Contractor: Summer'S Drilling Ltd.

Elevation (AMSL) (m): 704

AEP: 153277

Licence No.: 74.430.27

Date Started: 16 Oct 90

Nortthing: 5,918,893.50

Date Completed: 18 Oct 90

## Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
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Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number: 01127**

**SW 27-051-27 W4M**

**Well Owner:** Bandman, Henry  
**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 711  
**AEP:** 169278  
**Licence No.:** Easting: 72,866.07  
**Date Started:** 09 Jul 92  
**Northing:** 5,916,184.50  
**Date Completed:** 09 Jul 92

| **Well Use:** | Domestic |
| **Type of Work:** | New Well |
| **Drilling Method:** | Rotary |
| **Completed Depth:** | 27.4 (m) |
| **NPWL (m):** | 6.1  
**Verified NPWL (m):** |
| **Abandonment:** |

| **Casing:** | Plastic |
| **Type:** | Plastic |
| **Depth (m):** | 27.4  
**Bottom (m):** | 27.4 |
| **OD (mm):** | 127.0  
**Thickness (mm):** | 0.1 |
| **Seal Type:** | Bentonite Chips/Tablet |
| **from (m):** | 9.1 to 12.2 |

| **Liner:** | St |
| **Type:** | St |
| **OD (mm):** | 1.4 |
| **from (m):** | 25.9 to 27.4  
**Size:** | 0.01 |
| **Perforated How:** | from (m): to Size:  
from (m): to Size:  
from (m): to Size: |
| **Screen:** | Steel |
| **Material:** | Steel |
| **OD (mm):** | 1.4 |
| **from (m):** | 25.9 to 27.4  
**Size:** | 0.01 |
| **Open Hole:** | from (m): to |

| **Pump:** | Berkeley |
| **Model:** | 13 Stage |
| **Intake (m):** | 24.4 |

| **Testing:** |  
**Rate (lpm):** | 22.8  
**Time (minute):** | 180.0 |
| **Level End (m):** | 24.4  
**Drawdown (m):** | 18.3 |
| **Rec’d intake (m):** | 24.4  
**Rec’d Rate (lpm):** | 18.2 |

| **Laboratory:** |  
**pH (pH unit):** | COD | Mercury |
| **Cond. (µS/cm):** | SAR | Nickel |
| **TDS:** | TKN | Selenium |
| **Sodium:** | Nitrate | Strontium |
| **Potassium:** | Nitrate | Molybdenum |
| **Calcium:** | TN | Vanadium |
| **Magnesium:** | TC | Zinc |
| **Carbonate:** | DIC | Hydroxide |
| **Bicarbonate:** | Arsenic | Total Hardness |
| **Aluminum:** | Barium | Manganese |
| **Sulphate:** | Beryllium | Phosphate |
| **Chloride:** | Cadmium | Ion Balance |
| **Fluoride:** | Chromium | Amm. Nitrogen |
| **Iron:** | Cobalt | Total Phosphate |
| **TOC:** | Copper | Total Alkalinity |
| **Silica:** | Lead | Nitrate&Nitrite N |

| **Chemical Constituents are in mg/l (ppm). Except as noted.** |

| **Remarks:** |

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**Water Well Positioned by PFRA in 10TM NAD 27**

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**Printed on 2/20/98**
## SW 27-051-27 W4M

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 30.5 m  
- **NPWL (m):** 4.0  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 18.9  
- **Bottom (m):** 18.9  
- **OD (mm):** 152.4  
- **Thickmess (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from:** to 18.3

### Casing:
- **Type:** Plastic  
- **Depth (m):** 18.9  
- **Bottom (m):** 18.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from:** to 18.3

### Liner:
- **Type:** St  
- **OD (mm):** 7.5  
- **Size:** 0.01  
- **Top (m):** to 20.4  
- **Bottom (m):** to Size:

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **Size:** 0.01  
- **from:** to 18.9  
- **to:** 20.4  
- **Top (m):** to Size:

### Open Hole:
- **from:** to

### Pump:
- **Model:**  
- **Intake (m):** 20.4

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 240.0  
- **Level End (m):** 17.7  
- **Drawdown (m):** 13.7  
- **Rec'd intake (m):** 18.3  
- **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrile:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Flouride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N**

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **Database:** 1.00H
- **AEP Data:** Well Field Verified: No

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**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 01129  
**Well Owner:** Dowpiggin, Bill  
**Drilling Contractor:** Grove Drilling Ltd  
**Elevation (AMSL) (m):** 711  
**AEP:** 165343  
**Licence No.:**  
**Date Started:** 07 May 79  
**Easting:** 72,931.11  
**Date Completed:** 07 May 79  
**Northing:** 5,918,173.00

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 28.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casting:
- **Type:**
  - **Depth:** from (m): Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:** Unknown
- **from (m):** to

#### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):**
- **Top (m):** Bottom (m): 28.0

#### Perforated How:
- **Size:** from (m): to
- **Size:** from (m): to
- **Size:** from (m): to

#### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to
- **Size:** from (m): to
- **Size:** from (m): to

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Intake (m): 25.9
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd Intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **ph (pH unit):** COD
- **SAR:**
- **TDS:** KTN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Hydroxide:** DIC
- **Total Hardness:** Arsenic
- **Manganese:** Barium
- **Molybdenum:** Sulphate
- **Phosphate:** Beryllium
- **Ion Balance:** Cadmium
- **Amm. Nitrogen:** Fluoride
- **Total Phosphate:** Cobalt
- **Total Alkalinity:** Copper
- **Nitrate:** Lead
- **Nitrile & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing:
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### Well Number: 01130

**Well Owner:** Finnamore, Bert  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Elevation (AMSL) (m):** 710  
**Licence No.:** 153983  
**Date Started:** 08 Nov 90  
**Date Completed:** 08 Nov 90  
**Easting:** 72,973.19  
**Northing:** 5,918,133.50

#### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

#### Completed Depth:
- 21.3 m  
- NPWL (m): 6.1  
- Veriﬁed NPWL (m):

#### Abandonment:
- **Type:** Plastic  
- **Depth (m):** 18.3  
- **Bottom (m):** 18.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

#### Seal Type:
- **Bentonite Chips/Tabl**
- **from (m):** to 12.2

#### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  

#### Perforated How:
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

#### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 18.3  
- **to:** 19.8  
- **Size:** 0.01

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 13.7  
- **Time (minute):** 120.0  
- **Level End (m):** 18.3  
- **Drawdown (m):** 12.2  
- **Rec’d Rate (lpm):**  
- **Rec’d intake (m):**

#### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TC:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

#### Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27
**SW 27-051-27 W4M**

**Well Number 01131**

**Well Owner:** Green, Bonnie/Kent  
Drilling Contractor: Unknown Driller

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<tr>
<td>OD (mm):</td>
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<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>to</td>
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<tr>
<td>Perforated How:</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<td>from (m):</td>
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<tr>
<td>OD (mm):</td>
<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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<tr>
<th>Open Hole:</th>
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<tr>
<td>from (m):</td>
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<tr>
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<td>Intake (m):</td>
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<tr>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec’d intake (m):</td>
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<td>Cond. (µS/cm):</td>
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<td>TDS:</td>
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<td>Potassium:</td>
<td>Strontium</td>
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<tr>
<td>Calcium:</td>
<td>Molybdenum</td>
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<td>Vanadium</td>
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<td>Zinc</td>
</tr>
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<td>Bicarbonate:</td>
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<td>Alumimum:</td>
<td>Arsenic</td>
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<td>Sulphate:</td>
<td>Total Hardness</td>
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<td>Chloride:</td>
<td>Barium</td>
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<td>Beryllium:</td>
<td>Manganese</td>
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<td>Fluoride:</td>
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<td>Iron:</td>
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<td>Electric Log:</td>
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<td>Gamma Log:</td>
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<td>Aquifer Test:</td>
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<td>Project:</td>
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<td>AEP Data:</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**SW 27-051-27 W4M**

**Well Owner:** Knebel, Robert  
**Drilling Contractor:** D&D Water Well Drilling & Services

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**Well Number:** 01132

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<td>Type of Work: <strong>New Well</strong></td>
<td>Lithologic Description</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td>(m)</td>
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<td>Well Use: <strong>Domestic</strong></td>
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<td>Completed Depth: 29.3 (m)</td>
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<td>NPWL (m): 5.5</td>
<td>19.2</td>
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<td>Verified NPWL (m):</td>
<td>22.6</td>
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<tr>
<td>Abandonment:</td>
<td>23.2</td>
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| Casing: | 23.8 | 687.5 | Coal |
| Type: **Plastic** | 28.0 | 683.3 | Sandstone |
| Depth (m): 22.3 | 29.3 | 682.1 | Shale Green |
| Bottom (m): 22.3 | | | |
| OD (mm): 152.4 | | | |
| Thickness (mm): 0.1 | | | |

| Seal Type: **Shale Trap & Bentonite** | | | |
| from (m): | to | | |
| 22.3 | | | |

| Liner: | | | |
| Type: | | | |
| OD (mm): 114.3 | | | |
| Thickness (mm): 0.1 | | | |
| Top (m): 21.3 | | | |
| Bottom (m): 29.3 | | | |

| Perforated How: **Saw** | | | |
| from (m): 22.9 | to | | |
| 28.0 | | | |
| Size: | | | |

| Screen: | | | |
| Material: | | | |
| OD (mm): | | | |
| from (m): | to | | |
| from (m): | to | | |
| from (m): | to | | |
| OD (mm): | 114.3 | | |
| Thickness (mm): 0.1 | | | |
| Top (m): 21.3 | | | |
| Bottom (m): 29.3 | | | |

| Open Hole: | | | |
| from (m): | to | | |

| Pump: | | | |
| Model: | | | |
| Intake (m): 29.3 | | | |

| Testing: | | | |
| Rate (lpm): 91.2 | | | |
| Time (minute): 120.0 | | | |
| Level End (m): 15.2 | | | |
| Drawdown (m): 9.8 | | | |
| Rec'd intake (m): 15.2 | | | |
| Rec'd Rate (lpm): 45.6 | | | |

| Laboratory: | | | |
| pH (pH unit) | | | |
| COD | | | |
| Cond. (µS/cm) | | | |
| SAR | | | |
| Nickel | | | |
| TDS | | | |
| KTN | | | |
| Selenium | | | |
| Sodium | | | |
| Nitrate | | | |
| Strontium | | | |
| Potassium | | | |
| Nitrite | | | |
| Molybdenum | | | |
| Calcium | | | |
| TN | | | |
| Vanadium | | | |
| Magnesium | | | |
| TC | | | |
| Zinc | | | |
| Carbonate | | | |
| DIC | | | |
| Hydroxide | | | |
| Bicarbonate | | | |
| Arsenic | | | |
| Total Hardness | | | |
| Aluminium | | | |
| Barium | | | |
| Manganese | | | |
| Sulphate | | | |
| Beryllium | | | |
| Phosphorus | | | |
| Chloride | | | |
| Cadmium | | | |
| Ion Balance | | | |
| Fluoride | | | |
| Chromium | | | |
| Amm. Nitrogen | | | |
| Iron | | | |
| Cobalt | | | |
| Total Phosphate | | | |
| TOC | | | |
| Copper | | | |
| Total Alkalinity | | | |
| Silicon | | | |
| Lead | | | |
| Nitrate&Nitrite N | | | |

| Electric Log: No | | | |
| Transmissivity: | | | |
| Gamma Log: No | | | |
| Storativity: | | | |
| Aquifer Test: No | | | |
| Project: Database: 1.000H | | | |
| AEP Data: Yes | | | |
| Well Field Verified: No | | | |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 m
- **NPWL (m):** 8.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Bentonite Chips/Table
  - from (m): 21.3 to 21.9

**Liner:**

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 28.4
- **Perforated How:** Machine
  - from (m): 22.3 to 28.4
  - from (m): to
  - from (m): to

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
  - from (m): 28.4 to 29.9
  - from (m): to
  - from (m): to

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):** 27.4

**Testing:**

- **Rate (lpm):** 13.7
- **Time (minute):** 240.0
- **Level End (m):** 25.9
- **Drawdown (m):** 16.8
- **Rec'd intake (m):** 27.4
- **Rec'd Rate (lpm):** 13.7

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<td>698.1</td>
<td>Silt</td>
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<td>18.9</td>
<td>691.1</td>
<td>Clay Blue</td>
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<td>20.7</td>
<td>689.3</td>
<td>Clay &amp; Sand</td>
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<tr>
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<td>685.7</td>
<td>Clay Blue</td>
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<td>25.9</td>
<td>684.1</td>
<td>Sand</td>
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<td>29.3</td>
<td>680.8</td>
<td>Clay &amp; Sand</td>
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<tr>
<td>29.6</td>
<td>680.5</td>
<td>Gravel</td>
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<td>32.6</td>
<td>677.4</td>
<td>Clay &amp; Sand</td>
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<tr>
<td>39.6</td>
<td>670.4</td>
<td>Shale</td>
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**Electric Log:** No  
**Transmissivity:**  m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
General:
- Type of Work: New Well
- Well Use: Domestic
- Completed Depth: 54.9 m
- NPWL (m): 7.9
- Well Use: Domestic
- Abandonment:
  - Type:
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type: Driven & Welded Ring
    - from (m): to 30.5

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm):
- Top (m): Bottom (m): 53.3
- Perforated How: Torch
  - from (m): to 53.3
  - Size:

Screen:
- Material:
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 9.1
- Time (minute): 180.0
- Level End (m): 50.3
- Drawdown (m): 42.4
- Rec’d intake (m):
- Rec’d Rate (lpm):

Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate & Nitrite N

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NE 28-051-27 W4M**

**Well Number: 01135**

- **Well Owner:** Scabak, Bob
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 713
- **AEP:** 190593
- **Easting:** 72,109.77
- **Northing:** 5,919,194.50
- **Date Started:**
- **Date Completed:**

### General:
- **Type of Work:** Old Well-Test
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 121.9 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
    - from (m): to

### Liner:
- **Type:**
  - OD (mm):
  - Top (m):
  - Perforated How:
    - from (m): to
    - Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to
  - Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmum:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Phosphate:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Molybdenum:**
- **Potassium:**
- **Total Hardness:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Hydroxide:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
  - **Storativity:**
- **Aquifer Test:**
  - **Project:**
- **AEP Data:**
  - **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 01136

**Well Owner:** Zutz, Lyle
**Drilling Contractor:** Cobob Pumps And Services Ltd.

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 2.7
- **Verified NPWL (m):**
- **Abandonment:
- **Casing: Type:** Plastic
- **Depth (m):** 18.9
- **Bottom (m):** 18.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 15.2
- **Bottom (m):** 36.6
- **Perforated How:** Saw

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 13.7
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** TKN
- **Nitrate:** Selenium
- **Sodium:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Lithologic Description**

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<th>Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<td>706.3</td>
<td>Clay Sandy Brown</td>
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<td>7.9</td>
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<td>8.8</td>
<td>701.5</td>
<td>Gravel</td>
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<td>11.0</td>
<td>699.3</td>
<td>Shale Gray</td>
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<td>17.7</td>
<td>692.6</td>
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<td>675.6</td>
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<td>673.7</td>
<td>Shale Gray</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27
- Chemical Constituents are in mg/l (ppm). Except as noted.
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<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
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<td>BGL (m)</td>
<td>(m)</td>
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<td>Drilling Contractor: Alberta Environment</td>
<td>Elevation (AMSL)</td>
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<td>Licence No.:</td>
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<td>Date Started:</td>
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<td>Easting:</td>
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Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01138

Well Owner: Parsons, K.R.
Drilling Contractor: Unknown Driller
Elevation (AMSL) (m): 710
Licence No.: 156632
Date Started:
Easting: 71,741.68
Northing: 5,819,910.00
Date Completed:

**General:**
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic
- Completed Depth: 70.1 (m)
- NPWL (m): Verified NPWL (m): 
- Abandonment: 

**Casing:**
- Type: 
- Depth (m): Bottom (m): 
- OD (mm): Thickness (mm):
- Seal Type:
  - from (m): to 

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m): 
- Perforated How:
  - from (m): to Size: 
  - from (m): to Size: 
  - from (m): to Size: 

**Screen:**
- Material: 
- OD (mm):
  - from (m): to Size: 
  - from (m): to Size: 
  - from (m): to Size: 

**Open Hole:**
- from (m): to 

**Pump:**
- Model: 
- Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m): 
- Rec’d intake (m):
- Rec’d Rate (lpm): 

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
(BGL) (AMSL)

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**Lithologic Description**
(No Lithologic Information Available)

**Electric Log:** No
**Transmissivity:** m²/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No

printed on 2/20/98
**NE 33-051-27 W4M**

**Well Owner:** Connolly, Ken  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 707  
**Licence No.:** 163013  
**Date Started:**  
**Date Completed:**  
**Easting:** 72,060.08  
**Northing:** 5,920,516.50

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 56.1 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**
- **Casing:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:**
  - **from (m):** to  
- **Liner:**
  - **Type:**  
  - **OD (mm):** Thickness (mm):  
- **Perforated How:**
  - **from (m):** to Size:  
  - **from (m):** to Size:  
- **Screen:**
  - **Material:**  
  - **OD (mm):** from (m): to Size:  
  - **from (m):** to Size:  
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**  
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd Rate (lpm):** Rec'd intake (m):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

 chemical constituents are in mg/l (ppm). Except as noted.
NE 33-051-27 W4M

Well Owner: Kabrall, William
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 707
Licence No.: AEP: 166863
Date Started: 24 Nov 91
Date Completed: 27 Nov 91

Well Number: 01140

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<td>19.8 687.2</td>
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<td>25.9 681.1</td>
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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Well Number:** 01141  
**Well Owner:** Preece, Edward  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 74.4 m  
- **NPWL (m):** 30.5  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 32.6  
- **Bottom (m):** 32.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap  
- **from (m):** 32.6  
- **to:**  

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 32.6  
- **Bottom (m):** 73.5  
- **Perforated How:** Machine  
- **from (m):** 32.6  
- **to:** 73.5  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  

### Open Hole:
- **from (m):**  
- **to:**  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 13.7  
- **Time (minute):** 420.0  
- **Level End (m):** 50.3  
- **Drawdown (m):** 19.8  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Nitrate:**  
- **Sodium:**  
- **Strontium:**  
- **Potassium:**  
- **Selenium:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Manganese:**  
- **Sulphate:**  
- **Phosphate:**  
- **Chloride:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Total Phosphate:**  
- **TOC:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Nitrate & Nitrite:**  

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:  

### Aquifer Test:
- **Project:**  
- **Database:** 1.000H  

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Water Well Positioned by PFRA in 10TM NAD 27**

Printed on 2/20/98
## NH 33-051-27 W4M

**Well Number:** 01142

### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 24.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Bentonite Product 27 Feb 96

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **from (m):**
- **to (m):**

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to (m):**
- **Size:**
- **from (m):**
- **to (m):**
- **Size:**
- **from (m):**
- **to (m):**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to (m):**
- **Size:**
- **from (m):**
- **to (m):**
- **Size:**
- **from (m):**
- **to (m):**
- **Size:**

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>Bicarbonate</td>
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<td>TOC</td>
<td>0.35</td>
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<tr>
<td>Silica</td>
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### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

### Lithologic Description:
(No Lithologic Information Available)
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 m
  - **NPWL (m):** 6.1
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth:** 30.2 m
  - **Bottom:** 30.2 m
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 27.4 to 30.2

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top:** 27.4 m
  - **Bottom:** 61.0 m
- **Perforated How:** Saw
  - **from (m):** 39.6 to 48.8
  - **Size:**
  - **from (m):** 57.9 to 59.4
  - **Size:**
  - **from (m):**
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **Pump:** Sub
  - **Model:** Gould 7g0422
  - **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
- **Level End (m):** 30.5
  - **Drawdown (m):** 24.4
- **Rec’d intake (m):** 38.1
  - **Rec’d Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **Sodium:**
  - **Nitrate:**
  - **Strontium:**
- **Potassium:**
  - **Nitrite:**
  - **Molybdenum:**
- **Calcium:**
  - **TN:**
  - **Vanadium:**
- **Magnesium:**
  - **TC:**
  - **Zinc:**
- **Carbonate:**
  - **DIC:**
  - **Hydroxide:**
- **Bicarbonate:**
  - **Arsenic:**
  - **Total Hardness:**
- **Aluminum:**
  - **Barium:**
  - **Manganese:**
- **Sulphate:**
  - **Beryllium:**
  - **Phosphate:**
- **Chloride:**
  - **Cadmium:**
  - **Ion Balance:**
- **Fluoride:**
  - **Chromium:**
  - **Amm. Nitrogen:**
- **Iron:**
  - **Cobalt:**
  - **Total Phosphate:**
- **TOC:**
  - **Copper:**
  - **Total Alkalinity:**
- **Silica:**
  - **Lead:**
  - **Nitrate&Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number:** 01143

**Elevation (AMSL) (m):** 707

**AEP:** 280693

**Licence No.:** 71,700.79

**Date Started:** 22 Feb 96

**Northing:** 5,920,172.00

**Date Completed:** 24 Feb 96

**Well Owner:** Reheboth Christian Assoc

**Drilling Contractor:** Cobob Pumps And Services Ltd.

---

**NH 33-051-27 W4M**

**Well Number:** 01143

**Elevation (AMSL) (m):** 707

**AEP:** 280693

**Date Started:** 22 Feb 96

**Northing:** 5,920,172.00

**Date Completed:** 24 Feb 96

**Well Owner:** Reheboth Christian Assoc

**Drilling Contractor:** Cobob Pumps And Services Ltd.

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>6.1</td>
<td>701.2</td>
<td>Sand &amp; Coal Clayey</td>
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<tr>
<td>15.2</td>
<td>692.1</td>
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<td>18.3</td>
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<td>22.9</td>
<td>684.5</td>
<td>Sandstone &amp; Coal</td>
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<td>23.8</td>
<td>683.6</td>
<td>Shale Soft Gray</td>
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<tr>
<td>61.0</td>
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<td>Shale Gray</td>
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</table>

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 33-051-27 W4M**

**Well Number:** 01144

**Well Owner:** Wetherell, H.J.

**Elevation (AMSL) (m):** 712

**Licence No.:** 723475

**Date Started:**

**Easting:** 72,221.45

**Northing:** 5,819,651.50

**Well Use:** Domestic

**Date Completed:**

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 9.1 (m)
- **NPWL (m):** .9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):** from (m): to to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:

- **31 Jan 68**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** 544.0
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Beryllium
- **Sulphate:** Phosphate
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** 1.00
- **TOC:** Copper
- **Sulphate:** Manganese
- **Chloride:** Sodium
- **Fluoride:** Zinc
- **Bicarbonate:** Hydroxide
- **Sulphate:** Calcium
- **Chloride:** Vanadium
- **Fluoride:** Total Hardness 77.00
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity 116.0
- **Silica:** Lead

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Rec’d Rate (lpm):**

### Project:

- **Database:** 1.00H

### AEP Data:

- **Well Field Verified:** Yes

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 50.3 (m)
NPWL (m): 1.2
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 29.9
Bottom (m): 29.9
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 29.9

Liner:
Type:
OD (mm): 127.0
Thickness (mm): 0.1
Top (m): 28.7
Bottom (m): 49.4
Perforated How: Saw
from (m): to 49.4
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 91.2
Time (minute): 420.0
Level End (m): 4.9
Rec’d intake (m): 6.1
Rec’d Rate (lpm): 91.2

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Owner: Hawryluk, Wally
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Depth Elevation
(BGL) (AMSL)

Lithologic Description

Well Number 01145

Elevation (AMSL) (m): 709
AEP: 227866
Licence No.: Easting: 70,860.59
Date Started: 11 Aug 93
Northing: 5,819,599.00
Date Completed: 11 Aug 93

1.5 707.3 Clay Yellow
8.5 700.3 Sand & Coal Coarse Grained
29.6 679.3 Clay Soft Blue
30.8 678.0 Shale Green
31.1 677.7 Shale Gray
32.6 676.2 Shale Sandy Gray
39.6 669.2 Shale Green
44.8 664.0 Shale Sandy Gray
45.4 663.4 Shale Gray
48.2 660.7 Shale Sandy Gray
50.3 658.5 Shale Gray

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
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<th><strong>Depth</strong></th>
<th><strong>Elevation</strong></th>
<th><strong>Lithologic Description</strong></th>
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<td>(m)</td>
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<td>Drilling Method: Rotary</td>
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<td>Well Use: Investigation</td>
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<td>Bottom (m):</td>
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<td>Size:</td>
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<td>from (m):</td>
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<td>to</td>
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<td>Time (minute):</td>
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<tr>
<td>Level End (m): Drawdown (m):</td>
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<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Flouride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrile N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Printed on:** 2/20/98
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 305.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m):
  - Bottom (m):
- **OD (mm):**
  - Thickness (mm):
- **Seal Type:**
  - from (m):
  - to

### Liner:
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
  - SAR
  - TDS
  - Sodium
  - Nitrate
  - Potassium
  - Nitrite
  - Calcium
  - Magnesium
  - Carbonate
  - DIC
  - Bicarbonate
  - Aluminium
  - Barium
  - Sulphate
  - Beryllium
  - Chloride
  - Chromium
  - Fluoride
  - Iron
  - COC
  - TOC
  - silica
- **Material:**
  - Lead
  - Nitrate
  - Nickel
  - Selenium
  - Molybdenum
  - Zinc
  - Hydroxide
  - Total Hardness
  - Manganese
  - Phosphate
  - Ion Balance
  - Amm. Nitrogen
  - Total Phosphate
  - Total Alkalinity
  - Nitrate
  - Nitrite
  - Lead
  - Nitrate
- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.0006m
- **AEP Data:** Yes
- **Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 299.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

### Casing:
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

### Liner:
  - **Type:**
  - **OD (mm):** Thickness (mm):

### Perforated How:
- **from (m):** to
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to
  - **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Chemical Constituents are in mg/l (ppm), Except as noted.

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number 01148**

- **Well Owner:** Can Gulf Oil Co Hole #5
- **Elevation (AMSL) (m):** 708
- **AEP:** 264469
- **Licence No.:**
- **Date Started:**
- **Easting:** 73,460.22
- **No.:**
- **Nording:** 5,819,720.83
- **Date Completed:** 13 May 52

### Depth Elevation (BGL) (AMSL) (m) Lithologic Description

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<th>Lithologic Description</th>
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<tbody>
<tr>
<td></td>
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**Electric Log:** Yes  **Transmissivity:** m²/day

**Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Database:** 1.000H

**AEP Data:** Yes  **Well Field Verified:** No

---

**printed on 2/20/98**
Well Number 01149

Water Well Positioned by Mow-Tech in 10TM NAD 27

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<tr>
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<tr>
<td>Easting: 75,085.36</td>
</tr>
<tr>
<td>Northing: 5,920,135.84</td>
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**General:**
- Type of Work: Core Hole
- Drilling Method: Rotary
- Well Use: Investigation
- Completed Depth: 301.7 (m)
- NPWL (m): 75,085.36
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
- Depth (m):
- Bottom (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m): to

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit):
- COD
- Mercury
- Cond. (µS/cm):
- SAR
- Nickel
- TDS:
- TKN
- Selenium
- Sodium:
- Nitrate
- Strontium
- Potassium:
- Nitrite
- Molybdenum
- Calcium:
- TN
- Vanadium
- Magnesium:
- TC
- Zinc
- Carbonate:
- DIC
- Hydroxide
- Bicarbonate:
- Arsenic
- Total Hardness
- Aluminium:
- Barium
- Manganese
- Sulphate:
- Beryllium
- Phosphate
- Chloride:
- Cadmium
- Ion Balance
- Fluoride:
- Chromium
- Amm. Nitrogen
- Iron:
- Cobalt
- Total Phosphate
- TOC:
- Copper
- Total Alkalinity
- Silica:
- Lead
- Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
- (BGL) (AMSL)
- Lithologic Description

**Testing:**
- Electric Log: Yes
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

Printed on 2/20/98
Can Gulf Oil Co Hole #3

Drilling Contractor: Unknown Driller

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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>TDS</td>
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<td>TN</td>
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<td>TOC</td>
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<tr>
<td>Silicon</td>
<td>Lead</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Water Well Positioned by Mow-Tech in 10TM NAD 27

Elevation (AMSL) (m): 707
Licence No.: 264478
Date Started: 09 May 52
Easting: 74,259.83
Northing: 5,919,709.80
Date Completed: 09 May 52

AEP Data: Yes
Well Field Verified: No
**04-35-051-27 W4M**

**Well Number 01151**

**Well Owner:** Can Gulg Oil Co Hole #1  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 705  
**AEP: 264475**  
**Licence No.:**  
**Date Started:**  
**Date Completed:** 07 May 52

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<tr>
<td>Drilling Contractor</td>
<td>Unknown Driller</td>
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<td>Well Number</td>
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**General:**

- **Type of Work:** Core Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Investigation

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<td>NPWL (m)</td>
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**Casing:**

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

**Liner:**

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m): to Size:**  
- **from (m): to Size:**

**Screen:**

- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m): to Size:**

**Open Hole:**

- **from (m): to**

**Pump:**

- **Model:**  
- **Intake (m):**

**Testing:**

- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- ** Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Database:**

- **Project:** 1.000H
- **AEP Data:** Yes Well Field Verified: No

**Electric Log:** Yes  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock

**Completed Depth:** 87.8 (m)
- **NPWL (m):** 38.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 49.4
- **Bottom (m):** 49.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite
- **from (m):** to 49.4

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 47.2
- **Bottom (m):** 87.8

**Perforated How:** Saw
- **from (m):** 60.4 to 87.5
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 85.3

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 78.6
- **Drawdown (m):** 39.9
- **Rec'd intake (m):** 76.2
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Hydroxide
- **Arsenic:** Total Hardness
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 705
- **AEP:** 241112
- **Licence No.:**
- **Date Started:** 09 Jun 94
- **Easting:** 75,531.41
- **Date Completed:** 10 Jun 94
- **Northing:** 5,920,500.50

**Database:** Project: 1.000H

** Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completion Details:
- **Completed Depth (BGL):** 703.5 m
- **NPWL:** 12.2 m
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 46.3
- **Bottom (m):** 46.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packer
- **from:** 46.3
- **to:** 46.3

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Top (m):** 43.3
- **Bottom (m):** 93.6
- **Perforated How:** Machine
- **from:** 43.3
- **to:** 93.6
- **Size:**

### Screen:
- **Material:** Plastic
- **OD (mm):**
- **from:**
- **to:**

### Open Hole:
- **from:**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 57.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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### Water Well Positioning:

- **Water Well Positioned by PFRA in 10TM NAD 27**
SE 35-051-27 W4M

Well Owner: Leder, John
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 711
Licence No.: Easting: 75,419.62
Date Started: 09 Feb 94
Northing: 5,919,788.50
Date Completed: 14 Feb 94

Well Number: 01154

SE 35-051-27 W4M

Well Owner: Leder, John
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 711
Licence No.: Easting: 75,419.62
Date Started: 09 Feb 94
Northing: 5,919,788.50
Date Completed: 14 Feb 94

Well Number: 01154

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 88.1 (m)
NPWL (m): 22.3 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 54.0 Bottom (m): 54.0
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 54.0

Liner:
Type:
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 51.5 Bottom (m): 87.2
Perforated How: Saw
from (m): to 87.2 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m):

Pump: Sub
Model: Jacuzzi 7s4518p
Intake (m): 73.2

Testing:
Rate (lpm): 9.1 Time (minute): 120.0
Level End (m): 70.1 Drawdown (m): 47.9
Rec'd Rate (lpm): 73.2 Rec'd intakes (m):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NE 36-051-27 W4M**

**Well Number**: 01155

**Well Owner**: Barnes, Albert

**Drilling Contractor**: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m)**: 703

**AEP**: 164399

**Licence No.**: 36-051-27 W4M

**Date Started**: 19 Mar 92

**Date Completed**: 19 Mar 92

**Well Use**

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**Completed Depth**: 27.4 (m)

**NPWL (m)**: 2.1

**Verified NPWL (m)**: Abandonment:

**Casing**

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**Liner**

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**Screen**

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**Open Hole**

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**Pump**

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**Testing**

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<th>Cond. (µS/cm)</th>
<th>SAR</th>
<th>Nickel</th>
<th>TDS</th>
<th>TKN</th>
<th>Selenium</th>
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<tr>
<td>Carbonate</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks**: Water Well Positioned by PFRA in 10TM NAD 27

**Database**: Project: 1.000H

**AEP Data**: Yes Well Field Verified: No

**Electric Log**: No Transmissivity: m³/day

**Gamma Log**: No Storativity:

**Aquifer Test**: No
Well Number: 01183

04-01-052-26 W4M

Well Owner: Can Gulf Oil Co Hole #34
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 693
AEP: 264569
Licence No.: Easting: 85,656.68
Date Started: Northing: 5,921,179.86
Date Completed: 03 Oct 50

General:
Type of Work: Core Hole
Drilling Method: Rotary
Well Use: Investigation
Completed Depth: 274.9 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

(printed on 2/20/98)
Well Number: 01184

Well Owner: Royalite Oil Co
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 687
Licence No.: 280392
Date Started: 86,882.95
Date Completed: 5,921,202.12

Well Number: 01-01-052-26 W4M

General:
Type of Work: Structure Test Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth: 214.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
OD (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Top (m):
from (m): to
Perforated How:
from (m): to
from (m): to
from (m): to

Screen:
Material:
OD (mm):
from (m): to
from (m): to

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

COD
pH (pH unit)
SAR
Sodium
Nitrate
Potassium
Nitrite
Calcium
TN
Magnesium
Vanadium
Carbonate
DIC
Bicarbonate
Arsenic
Aluminium
Barium
Manganese
Salts
Beryllium
Phosphate
Chloride
Cadmium
Amm. Nitrogen
Fluoride
Chromium
Iron
Sulphate
Chromium
Iron
Iron
OC
TOC
Iron
Silica
Iron
Lead
Nitrate
Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Printed on 2/20/98

SNM
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<td>(m)</td>
<td>Lithologic Description</td>
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<td>Depth (m):</td>
<td>Bottom (m):</td>
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<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
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<td>to</td>
<td>Size:</td>
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<td>from (m):</td>
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<td>from (m):</td>
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<td>Screen:</td>
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<tr>
<td>Material:</td>
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<tr>
<td>OD (mm):</td>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<td>Open Hole:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
<td></td>
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<tr>
<td>Pump:</td>
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<td>Intake (m):</td>
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<td>Model:</td>
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<td>Rate (lpm):</td>
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<td></td>
<td></td>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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</tbody>
</table>

| Laboratory: | |
| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| silica | Lead | Nitrate&Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

| Electric Log: Yes | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: | Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Number: 01186

<table>
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<th>Elevation (AMSL) (m):</th>
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<tr>
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<td>Date Started:</td>
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<tr>
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<td>Date Completed:</td>
<td>10 Apr 51</td>
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**01-01-052-26 W4M**

**General:**
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 234.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to
  - Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
  - Time (minute):
  - Level End (m): Drawdown (m):
  - Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** Yes  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:**
**AEP Data:** Yes  **Database:** 1,000H

**Remarks:**
-Water Well Positioned by Mow-Tech in 10TM NAD 27

*printed on 2/20/98*
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Drilling Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL (m):** 12.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 41.5
- **Bottom (m):** 41.5
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tablet
  - from (m): to 30.5

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:** St
- **OD (mm):** 1.5
- **Thickness (mm):**
  - from (m): to 41.5
  - Bottom (m): 43.3
  - Size: 0.01
- **Open Hole:**
  - from (m): to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 180.0
- **Level End (m):** 21.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work**: Core Hole
- **Drilling Method**: Unknown
- **Well Use**: Industrial
- **Completed Depth**: 214.0 m
- **NPWL (m)**: Verified NPWL (m):
- **Abandonment**: 

## Casing:
- **Type**: 
- **Depth (m)**: Bottom (m):
- **OD (mm)**: Thickness (mm):
- **Seal Type**: from (m) to 

## Liner:
- **Type**: 
- **OD (mm)**: Thickness (mm):
- **Top (m)**: Bottom (m):
- **Perforated How**: from (m) to Size:
- **from (m) to Size**: 

## Screen:
- **Material**: 
- **OD (mm)**: from (m) to Size:
- **from (m) to Size**: 

## Open Hole:
- **from (m) to** 

## Pump:
- **Model**: 
- **Intake (m)**:  

## Testing:
- **Rate (lpm)**: 
- **Time (minute)**: 
- **Level End (m)**: 
- **Drawdown (m)**: 
- **Rec'd intake (m)**: 
- **Rec'd Rate (lpm)**: 

## Laboratory:
- **pH (pH unit)**: COD Mercury
- **Cond. (µS/cm)**: SAR Nickel
- **TDS**: TKN Selenium
- **Sodium**: Nitrate Strontium
- **Potassium**: Nitrite Molybdenum
- **Calcium**: TN Vanadium
- **Magnesium**: TC Zinc
- **Carbonate**: DIC Hydroxide
- **Bicarbonate**: Arsenic Total Hardness
- **Aluminium**: Barium Manganese
- **Sulphate**: Beryllium Phosphate
- **Chloride**: Cadmium Ion Balance
- **Fluoride**: Chromium Amm. Nitrogen
- **Iron**: Cobalt Total Phosphate
- **TOC**: Copper Total Alkalinity
- **Silica**: Lead Nitrate & Nitrite N
- **DIC**: Hydroxide
- **Carbonate**: Bicarbonate
- **Arsenic**: Total Hardness
- **Aluminium**: Barium Manganese
- **Sulphate**: Beryllium Phosphate
- **Chloride**: Cadmium Ion Balance
- **Fluoride**: Chromium Amm. Nitrogen
- **Iron**: Cobalt Total Phosphate
- **TOC**: Copper Total Alkalinity
- **Silica**: Lead Nitrate & Nitrite

### Electric Log:
- **Transmissivity**: m³/day
- **Gamma Log**: Storativity
- **Aquifer Test**: No
- **Project**: 
- **Database**: Project: 1.000H

### Other Information:
- **Remarks**: Water Well Positioned by Mow-Tech in 10 TM NAD 27

---

**Well Number 01188**

- **Elevation (AMSL) (m)**: 694
- **AEP**: 280692
- **Licence No.**: Easting: 85,248.79
- **Date Started**: Northing: 5,921,172.47
- **Date Completed**: 23 Apr 51

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**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 225.5 m
  - **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
  - **Cond. (µS/cm):** SAR Nickel
  - **TDS:** TKN Selenium
  - **Sodium:** Nitrate Strontium
  - **Potassium:** Nitrite Molybdenum
  - **Calcium:** TN Vanadium
  - **Magnesium:** TC Zinc
  - **Carbonate:** DIC Hydroxide
  - **Bicarbonate:** Arsenic Total Hardness
  - **Aluminum:** Barium Manganese
  - **Sulphate:** Beryllium Phosphate
  - **Chloride:** Cadmium Ion Balance
  - **Fluoride:** Chromium Amm. Nitrogen
  - **Iron:** Cobalt Total Phosphate
  - **TOC:** Copper Total Alkalinity
  - **Silica:** Lead Nitrate&Nitrite N
  - **DIC:** Hydroxide

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**13-03-052-26 W4M**  

**Well Number:** 01190  
**Well Owner:** Can Gulf Oil Co Hole #14w  
**Drilling Contractor:** Unknown Driller

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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>244.4</td>
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<td>Well Use: Investigation</td>
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<td>Completed Depth</td>
<td>(m)</td>
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<td>NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
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</tbody>
</table>

| Casing: | | |
|---------| | |
| Type: | | |
| Depth (m): | Bottom (m): | |
| OD (mm): | Thickness (mm): | |
| Seal Type: | | |
| from (m): | to | |

| Liner: | | |
|--------| | |
| Type: | | |
| OD (mm): | Thickness (mm): | |
| Top (m): | Bottom (m): | |
| Perforated How: | | |
| from (m): | to | Size: | |
| from (m): | to | Size: | |
| from (m): | to | Size: | |

| Screen: | | | |
|---------| | | (No Lithologic Information Available) |
| Material: | | | |
| OD (mm): | | | |
| from (m): | to | Size: | |
| from (m): | to | Size: | |
| from (m): | to | Size: | |

| Open Hole: | | | |
|------------| | | |
| from (m): | to | |

| Pump: | | |
|-------| | |
| Model: | Intake (m): | |

| Testing: | | |
|----------| | |
| Rate (lpm): | Time (minute): | |
| Level End (m): | Drawdown (m): | |
| Rec’d intake (m): | Rec’d Rate (lpm): | |

| Laboratory: | | |
|-------------| | |
| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

| Electric Log: | Yes | Transmissivity: | m³/day |
| Gamma Log: | No | Storativity: | |
| Aquifer Test: | No | |
| Project: | Database: 1.000H | |
| AEP Data: | Yes | Well Field Verified: No | |

**Remarks:**  
Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 272.2 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 m
- **NPWL (m):** 8.2
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 60.7
- **Bottom (m):** 60.7
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 33.5

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to  Size:
- **from (m):** to  Size:
- **from (m):** to  Size:

## Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 59.1 to  60.7
- **Size:** 0.01
- **from (m):** to  Size:

## Open Hole:
- **from (m):** to  

## Pump:
- **Model:**
- **Intake (m):** 56.4

## Testing:
- **Rate (lpm):** 13.7
- **Time (minute):** 180.0
- **Level End (m):** 51.8
- **Drawdown (m):** 43.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log: No
**Transmissivity:** m²/day
**Gamma Log: No**
**Storativity:**
**Aquifer Test: No**
**Project:**
**Database: 1.000H**
**AEP Data: Yes**
**Well Field Verified: No**

## Depth Elevation (BGL) (AMSL) (m) Lithologic Description
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<td>700.4</td>
<td>Clay Sandy Yellow</td>
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<td>8.5</td>
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<td>692.5</td>
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<td>14.6</td>
<td>687.3</td>
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<td>Sand Fine Grained</td>
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<td>28.7</td>
<td>673.3</td>
<td>Shale &amp; Coal Brown</td>
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<td>64.0</td>
<td>638.0</td>
<td>Shale Gray</td>
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**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 01192
**Elevation (AMSL) (m):** 702
**AEP:** 154850
**Licence No.:**
**Easting:** 82,999.76
**Nortthing:** 5,921,233.00
**Date Started:** 30 Jun 90
**Date Completed:** 02 Jul 90

Printed on 2/20/98
**SW 03-052-26 W4M**

**Well Owner:** *Enoch Indian Reserve*

**Drilling Contractor:** *Summers, David Drilling*

---

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<th><strong>Depth and Elevation</strong></th>
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<td><strong>Elevation (AMSL) (m):</strong> 698</td>
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<td><strong>Drilling Method:</strong> Rotary</td>
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<td><strong>Completed Depth:</strong> 35.0 (m)</td>
<td><strong>Sand See Comments</strong></td>
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<td><strong>Abandonment:</strong></td>
<td><strong>35.0</strong></td>
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<tr>
<td><strong>Casing:</strong> Plastic</td>
<td><strong>670.8</strong></td>
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<tr>
<td><strong>Depth (m):</strong> 33.5</td>
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<tr>
<td><strong>Bottom (m):</strong> 33.5</td>
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<tr>
<td><strong>OD (mm):</strong> 127.0</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<td><strong>Seal Type:</strong> Bentonite Chips/Table</td>
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<td><strong>from (m):</strong> to 13.7</td>
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</tr>
</tbody>
</table>

| **Liner:** | | |
| **Type:** | | |
| **OD (mm):** | | |
| **Thickness (mm):** | | |
| **Top (m):** | | |
| **Bottom (m):** | | |
| **Perforated How:** | | |
| **from (m):** to | | |
| **Size:** | | |
| **from (m):** to | | |
| **Size:** | | |
| **from (m):** to | | |
| **Size:** | | |

| **Screen:** | | |
| **Material:** St | | |
| **OD (mm):** 1.2 | | |
| **from (m):** 33.5 to 35.0 | | |
| **Size:** 0.01 | | |
| **from (m):** to | | |
| **Size:** | | |

| **Open Hole:** | | |
| **from (m):** to | | |

| **Pump:** | | |
| **Model:** | Intake (m): 33.5 |
| **Testing:** | | |
| **Rate (lpm):** 13.7 | Time (minute): 120.0 |
| **Level End (m):** 30.5 | Drawdown (m): 18.3 |
| **Rec'd intake (m):** | **Rec'd Rate (lpm):** 9.1 |

| **Laboratory:** | | |
| **pH (pH unit):** | **COD:** Mercury |
| **Cond. (µS/cm):** SAR | **Nickel** |
| **TDS:** TKN | **Selenium** |
| **Sodium:** Nitrate | **Strontium** |
| **Potassium:** Nitrite | **Molybdenum** |
| **Calcium:** TN | **Vanadium** |
| **Magnesium:** TC | **Zinc** |
| **Carbonate:**DIC | **Hydroxide** |
| **Bicarbonate:** Arsenic | **Total Hardness** |
| **Alumimum:** Barium | **Manganese** |
| **Sulphate:** Beryllium | **Phosphate** |
| **Chloride:** Cadmium | **Ion Balance** |
| **Fluoride:** Chromium | **Amm. Nitrogen** |
| **Iron:** Cobalt | **Total Phosphate** |
| **TOC:** Copper | **Total Alkalinity** |
| **Silica:** Lead | **Nitrate&Nitrite N** |

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

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**Printed on:** 2/20/98

**Database:** AEP Data: Yes Well Field Verified: No

---

**Electric Log:** No **Transmissivity:** m³/day

**Gamma Log:** No **Storativity:**

**Aquifer Test:** No **Project:** Database: 1.000H
**General:**

- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation

**Completed Depth:** 240.8 (m)
**NPWL (m):** Verified NPWL (m):
**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number: 01194**

- **Well Owner:** Can Gulf Oil Co Hole #17w
- **Drilling Contractor:** Unknown Driller

- **Elevation (AMSL) (m):** 703
- **AEP: 264579**
- **Licence No.:**
- **Easting: 80,741.45**
- **Date Started:**
- **Northing: 5,922,296.11**
- **Date Completed: 08 Jul 52**

---

**Database:**
- **Project: 1.000H**
- **AEP Data: Yes**
- **Well Field Verified: No**

---

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: **01195**

**Well Owner:** Royalite Oil Co

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 701

**AEP:** 280467

**Licence No.:**

**Date Started:**

**Date Completed:** 18 Apr 51

### General

- **Type of Work:** Structure Test Hole
- **Well Use:** Industrial
- **Completed Depth:** 224.9 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole

- **from (m):**
- **to:**

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Magnesium:**
- **Com:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

- **Yes**

### Gamma Log

- **No**

### Aquifer Test

- **No**

### Database

- **1.000H**

### AEP Data

- **Yes**

### Project

- **Database: 1.000H**

### Remarks

- **Water Well Positioned by Mow-Tech in 10TM NAD 27**

**printed on 2/20/98**
Well Number: 01196

Well Owner: Unknown
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 703
AEP: 280499
Licence No.: Easting: 81,362.81
Date Started: Northing: 5,921,705.18
Date Completed: 06 Jul 51

General:
Type of Work: Core Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth: 244.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:

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Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: Yes
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
**NW 06-052-26 W4M**

**Well Owner:** Thind, Autar  
**Drilling Contractor:** Rodco Drilling  

**Well Number:** 01197  
**Elevation (AMSL) (m):** 707  
**AEP:** 152134  
**Licence No.:** Easting: 77,364.98  
**Date Started:** 08 Mar 90  
**Northing:** 5,922,350.50  
**Date Completed:** 10 Mar 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 91.4 (m)  
- **NPWL (m):** 6.4  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 38.1  
- **Bottom (m):** 38.1  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** 27.4  
- **to:**  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:
- **Material:** St  
- **OD (mm):** 1.4  
- **from (m):** 36.6  
- **to:** 38.1  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Type:** Sub  
- **Model:**  
- **Intake (m):** 33.5  

### Testing:
- **Rate (lpm):** 59.3  
- **Time (minute):** 120.0  
- **Level End (m):** 23.8  
- **Drawdown (m):** 17.4  
- **Rec’d intakes (m):** 33.2  
- **Rec’d Rate (lpm):**  

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** Mercury  
- **TDS:**  
- **Sodium:** KTN  
- **Nitrate:** Selenium  
- **Potassium:** Strontium  
- **Sulphate:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **Carbonate:** DIC  
- **Bicarbonate:** Hydroxide  
- **Arsenic:** Total Hardness  
- **Barium:** Manganese  
- **Beryllium:** Phosphate  
- **Cadmium:** Ion Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Lead:** Nitrate&Nitrite N  
- **Lithologic Description:**
<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5</td>
<td>701.5</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>25.6</td>
<td>681.4</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>27.7</td>
<td>679.3</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>39.6</td>
<td>667.4</td>
<td>Sand</td>
</tr>
<tr>
<td>45.7</td>
<td>661.3</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>49.1</td>
<td>657.9</td>
<td>Clay</td>
</tr>
<tr>
<td>62.2</td>
<td>644.8</td>
<td>Shale &amp; Coal</td>
</tr>
<tr>
<td>91.4</td>
<td>615.6</td>
<td>Shale</td>
</tr>
</tbody>
</table>

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.0 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 51.5
- **Bottom (m):** 51.5
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to Size:

## Screen:
- **Material:** St
- **OD (mm):** 0.9
- **Size:** 0.01
- **from (m):** 51.5 to 53.0
- **Top (m):**
- **Bottom (m):**

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 30.5

## Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 30.5
- **Drawdown (m):** 15.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Barium:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nickel:**
- **Mercury:**
- **Selenium:**
- **Sulphate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Total Hardness:**
- **Chromium:**
- **Total Alkalinity:**
- **Iron:**
- **Total Phosphate:**
- **Bicarbonate:**
- **Phosphate:**
- **Total Hardness:**
- **Nitrates:**
- **Total Alkalinity:**
- **Nitrite:**
- **Total Alkalinity:**
- **Total Hardness:**
- **Ion Balance:**
- **Chromium:**
- **Nitrate:**
- **Total Alkalinity:**
- **Iron:**
- **Total Phosphate:**
- **Calcium:**
- **Chromium:**
- **Copper:**
- **Lead:**
- **Sodium:**
- **Nitrite:**
- **Total Alkalinity:**
- **Iron:**
- **Total Phosphate:**
- **Calcium:**
- **Chromium:**
- **Copper:**
- **Lead:**
- **Sodium:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.
**Water Well Positioned by PFRA in 10TM NAD 27**

<table>
<thead>
<tr>
<th><strong>General:</strong></th>
<th><strong>Depth Elevation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>BGL</strong> (m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic &amp; Stock</td>
<td></td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 44.2 (m)</td>
<td><strong>Lithologic Description</strong></td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 6.4</td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td><strong>3.7</strong></td>
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<tr>
<td><strong>Type:</strong> Plastic</td>
<td><strong>77.6</strong></td>
</tr>
<tr>
<td><strong>Depth (m):</strong> 44.2</td>
<td><strong>19.8</strong></td>
</tr>
<tr>
<td><strong>Bottom (m):</strong> 44.2</td>
<td><strong>27.4</strong></td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 127.0</td>
<td><strong>44.2</strong></td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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</tr>
<tr>
<td><strong>Seal Type:</strong> Bentonite Chips/Tablet</td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong> 12.2 to 19.8</td>
<td></td>
</tr>
<tr>
<td><strong>Liner:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Type:</strong> Plastic</td>
<td></td>
</tr>
<tr>
<td><strong>OD (mm):</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Thickness (mm):</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Top (m):</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Bottom (m):</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Perforated How:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td></td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Screen:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Material:</strong> St</td>
<td></td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 1.2</td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong> 42.7 to 44.2</td>
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</tr>
<tr>
<td><strong>Size:</strong> 0.01</td>
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<td><strong>Open Hole:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td></td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
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</tr>
<tr>
<td><strong>Model:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Intake (m):</strong> 36.6</td>
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<td><strong>Testing:</strong></td>
<td></td>
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<tr>
<td><strong>Rate (lpm):</strong> 228.1</td>
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<td><strong>Time (minute):</strong> 120.0</td>
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<td><strong>Level End (m):</strong> 36.6</td>
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<tr>
<td><strong>Drawdown (m):</strong> 30.2</td>
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<tr>
<td><strong>Rec'd Intake (m):</strong> 36.6</td>
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<td><strong>Rec'd Rate (lpm):</strong> 91.2</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Laboratory:</strong></th>
<th><strong>Electric Log:</strong> No</th>
<th><strong>Transmissivity:</strong> m²/day</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH (pH unit):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Potassium:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
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<td></td>
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<tr>
<td><strong>Magnesium:</strong></td>
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<td></td>
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<tr>
<td><strong>Carbonate:</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Aluminium:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Barium:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nitrate:</strong></td>
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<tr>
<td><strong>Nitrite:</strong></td>
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<td></td>
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<td><strong>Sulphate:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Chloride:</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Fluoride:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOC:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Silica:</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
<td><strong>Gamma Log:</strong> No</td>
<td><strong>storativity:</strong></td>
</tr>
<tr>
<td><strong>Remarks:</strong></td>
<td><strong>Aquifer Test:</strong> No</td>
<td><strong>Project:</strong> Database: 1.000H</td>
</tr>
<tr>
<td><strong>AEP Data:</strong> Yes</td>
<td><strong>Well Field Verified:</strong> No</td>
<td><strong>AEP:</strong> 238057</td>
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<tr>
<td><strong>Date Started:</strong> 15 May 93</td>
<td><strong>Easting:</strong> 77,612.01</td>
<td><strong>North:</strong> 5,921,686.50</td>
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<tr>
<td><strong>Date Completed:</strong> 15 May 93</td>
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</tr>
</tbody>
</table>
**General:**
- Type of Work: Test Hole
- Drilling Method: Rotary
- Well Use: Unknown
- Completed Depth: 51.8 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment: Unknown

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: to
- from (m):

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: to Size:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: 
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- to
- from (m):

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 01200**
- Elevation (AMSL) (m): 707
- AEP: 240656
- Licence No.: Easting: 77,354.47
- Date Started: Northing: 5,922,678.50
- Date Completed: 23 Sep 72

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>0.6</td>
<td>706.4</td>
<td>Loam</td>
</tr>
<tr>
<td>4.6</td>
<td>702.4</td>
<td>Clay &amp; Silt Loamy Yellow</td>
</tr>
<tr>
<td>19.8</td>
<td>687.2</td>
<td>Silt Greenish Gray</td>
</tr>
<tr>
<td>25.9</td>
<td>681.1</td>
<td>Sand &amp; Silt Very Fine Grained</td>
</tr>
<tr>
<td>29.0</td>
<td>678.1</td>
<td>Gravel Glacial</td>
</tr>
<tr>
<td>38.1</td>
<td>668.9</td>
<td>Sand Clayey</td>
</tr>
<tr>
<td>42.7</td>
<td>664.3</td>
<td>Sand Clayey</td>
</tr>
<tr>
<td>51.8</td>
<td>655.2</td>
<td>Sandstone Soft Green</td>
</tr>
</tbody>
</table>

**Electric Log:** Yes **Transmissivity:** m³/day
- Gamma Log: No **Storativity:**
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes **Well Field Verified:** No

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 07-052-26 W4M**

Well Owner: **Lewis Farms**

Drilling Contractor: **Cobob Pumps And Services Ltd.**

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 4.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 44.8
- **Bottom (m):** 44.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 43.6
- **to:**

**Liner:**
- **Type:**
- **OD (mm):** 116.8
- **Thickness (mm):** 0.1
- **Top (m):** 39.6
- **Bottom (m):** 88.4
- **Perforated How:** Machine
- **from (m):** 57.9
- **to:** 88.4
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:** Size:
- **from (m):**
- **to:** Size:

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 420.0
- **Level End (m):** 85.3
- **Drawdown (m):** 80.8
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):** 22.8

---

**Depth Elevation**
- **BGL (m):**
- **AMSL (m):**

**Lithologic Description**
- **11.0 696.0:** Clay Brown
- **11.6 695.4:** Sand
- **32.0 675.0:** Clay Gray
- **41.8 665.2:** Coal Clayey
- **51.8 655.1:** Shale Green
- **54.9 652.1:** Sandstone Bentonitic
- **70.1 636.9:** Shale Gray
- **73.2 633.8:** Sandstone
- **76.2 630.8:** Shale Gray
- **88.4 618.6:** Sandstone
- **91.4 615.5:** Shale

---

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Electric Log:** No
**Transmissivity:** m²/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Database:** Project: 1.000H

**AEP Data:** Well Field Verified: No

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*  

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**15-08-052-26 W4M**

- **Well Number:** 01202
- **Well Owner:** Can Gulf Oil Co Hole #10w
- **Elevation (AMSL) (m):** 709
- **AEP:** 264591
- **Easting:** 79,884.38
- **Date Started:** 01 Jul 52
- **Northng:** 5,923,869.89

### General
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth (m):** 242.9
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - OD (m): Thickness (mm):
  - from (m): to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole
- **from (m): to**

### Pump
- **Model:**
  - Intake (m):

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log
- **Yes**
- **Transmissivity:** m²/day

### Gamma Log
- **No**
- **Storativity:**

### Aquifer Test
- **No**

### Project
- **Database:** 1.000H

### AEP Data
- **Yes**
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**

- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 253.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **Open Hole:**
- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevaion (BGL) (AMSL) (m) (m)**

**Lithologic Description**

(No Lithologic Information Available)

---

**Electric Log:** Yes  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No

---

Chemical Constituents are in mg/l (ppm). Except as noted.
11-08-052-26 W4M

Well Number: 01204

Well Owner: Can Gulf Oil Co Hole #4
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 706
AEP: 264585
Licence No.: Easting: 79,498.57
Date Started: Northing: 5,923,477.97
Date Completed: 03 Jun 52

General:
Type of Work: Core Hole
Drilling Method: Rotary
Well Use: Investigation
Completed Depth 245.1 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

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<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
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<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27

Remarks:

Electric Log: Yes Transmissivity: mL/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**Well Number 01205**

**Well Owner:** Can Gulf Oil Co Hole #9w  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 706  
**AEP:** 264583  
**Date Started:** 4 Aug 52  
**Date Completed:** 01 Jul 52

### General:
- **Type of Work:** Core Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Investigation  
- **Completed Depth (m):** 244.4  
- **NPWL (m):** Verbally NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:**
  - from (m): to  

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
- **Perforated How:**
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:  
    - from (m): to Size:  

### Open Hole:
- **from (m):**

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### Remarks:
*Water Well Positioned by Mow-Tech in 10TM NAD 27*
Well Number: 01206

Well Owner: Lees, Carol (Enoch Band)
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 711
AEP: 166865
Licence No.: 80,282.77
Date Started: 27 Mar 92
Easting: 5,924,239.50
Date Completed: 27 Mar 92

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 27.4 (m)
- NPWL (m): 7.9
- Verified NPWL (m): Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 27.4
- Bottom (m): 27.4
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): 6.1 to 7.6

**Liner:**
- Type: St
- OD (mm): 1.2
- from (m): 25.9 to 27.4
- Size: 0.01
- Top (m): Bottom (m)

**Screen:**
- Material: St
- OD (mm): 1.2
- from (m): 25.9 to 27.4
- Size: 0.01
- Top (m): Bottom (m)

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): 25.9

**Testing:**
- Rate (lpm): 36.5
- Time (minute): 180.0
- Level End (m): 25.9
- Drawdown (m): 18.0
- Rec’d intake (m): 22.9
- Rec’d Rate (lpm): 27.4

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Sulfate
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Selenium
- Vanadium
- Molybdenum
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite
- Strontium
- Sodium
- Molybdenum
- Potassium
- Vanadium
- Calcium
- Magnesium
- Zinc
- Copper
- Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

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<tr>
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<td>Aquifer Test: No</td>
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<tr>
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<td>Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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</table>

*printed on 2/20/98*
16-09-052-26 W4M

Well Owner: Can Gulf Oil Co Hole #13w

Drilling Contractor: Unknown Driller

Well Number: 01207

Elevation (AMSL) (m): 709

AEP: 264609

Licence No.: Easting: 81,936.87

Date Started: Northing: 5,923,923.57

Date Completed: 04 Jul 52

Well Use: Investigation

Core Hole

Rotary

Investigation

246.9 (m)

NPWL (m):

Verified NPWL (m):

Abandonment:

Core Type:

Depth (m):

Bottom (m):

OD (mm):

Thickness (mm):

Seal Type:

from (m):

to

Liner:

Type:

OD (mm):

Thickness (mm):

Top (m):

Bottom (m):

Perforated How:

from (m):

to

Size:

from (m):

to

Size:

from (m):

to

Size:

Screen:

Material:

OD (mm):

from (m):

to

Size:

from (m):

to

Size:

Open Hole:

from (m):

to

Pump:

Model:

Intake (m):

Testing:

Rate (lpm):

Time (minute):

Level End (m):

Drawdown (m):

Rec’d intake (m):

Rec’d Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury

Cond. (µS/cm) SAR Nickel

TDS TKN Selenium

Sodium Nitrate Strontium

Potassium Nitrite Molybdenum

Calcium TN Vanadium

Magnesium TC Zinc

Carbonate DIC Hydroxide

Bicarbonate Arsenic Total Hardness

Aluminium Barium Manganese

Sulphate Beryllium Phosphate

Chloride Cadmium Ion Balance

Fluoride Chromium Amm. Nitrogen

Iron Cobalt Total Phosphate

TOC Copper Total Alkalinity

Silica Lead Nitrate&Nitrite N

DIC Sodium

Hydroxide

Arsenic

Total Hardness

Barium

Beryllium

Cadmium

Chromium

Cobalt

Copper

Lead

Mercury

Nickel

Selenium

Strontium

Sodium

Sulphate

Vanadium

Zinc

Hydroxide

Total Hardness

Manganese

Phosphate

Ion Balance

Amm. Nitrogen

Total Phosphate

Total Alkalinity

Nitrate

Nitrite

N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 243.2 (m)
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** 
- **Intake (m):** 

**Testing:**
- **Rate (lpm):** 
- **Time (minute):** 
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm): 

**Laboratory:**
- **pH (pH unit):** 
- **Cond. (µS/cm):** 
- **TDS:** TKN 
- **Sodium:** Nitrate 
- **Potassium:** Nitrite 
- **Calcium:** TN 
- **Magnesium:** TC 
- **Carbonate:** DIC 
- **Bicarbonate:** Arsenic 
- **Aluminum:** Barium 
- **Sulphate:** Beryllium 
- **Chloride:** Cadmium 
- **Fluoride:** Chromium 
- **Iron:** Cobalt 
- **TOC:** Copper 
- **Silica:** Lead 

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
**Well Number:** 01209

**Well Owner:** Can Gulf Oil Co Hole #16w

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 707

**AEP:** 264597

**Licence No.:**

**Eastings:** 81,543.64

**Date Started:**

**Northings:** 5,923,113.39

**Date Completed:** 06 Jul 52

---

### General

**Type of Work:** Core Hole

**Drilling Method:** Rotary

**Well Use:** Investigation

**Completed Depth:** 242.6 (m)

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

### Casing

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:**

**from (m):** to

### Liner

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

**from (m):** to **Size:**

**from (m):** to **Size:**

**from (m):** to **Size:**

### Screen

**Material:**

**OD (mm):**

**from (m):** to **Size:**

**from (m):** to **Size:**

**from (m):** to **Size:**

### Open Hole

**from (m):** to

### Pump

**Model:**

**Intake (m):**

### Testing

**Rate (lpm):**

**Time (minute):**

**Level End (m):**

**Drawdown (m):**

**Rec’d intake (m):**

**Rec’d Rate (lpm):**

### Laboratory

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<th>pH (pH unit)</th>
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<th>Mercury</th>
</tr>
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<td>TDS</td>
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<td>Bicarbonate</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

**Transmissivity:** m²/day

### Gamma Log

**Storativity:**

### Aquifer Test

**Project:** 1.000H

### AEP Data

**Database:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
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<td>(m) (m)</td>
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<td>Lithologic Description</td>
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<td><strong>Casing:</strong></td>
<td></td>
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<td>Type:</td>
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<tr>
<td>Depth (m): Bottom (m):</td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Seal Type: from (m): to</td>
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<tr>
<td><strong>Liner:</strong></td>
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<td>Top (m): Bottom (m):</td>
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<tr>
<td>Perforated How: from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<tr>
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<tr>
<td><strong>Open Hole:</strong></td>
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<td>from (m): to</td>
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<td><strong>Pump:</strong></td>
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<td>Intake (m):</td>
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<tr>
<td>Rate (lpm):</td>
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<td>Level End (m): Drawdown (m):</td>
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<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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</table>

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
15-09-052-26 W4M

Well Number: 01211

Well Owner: Poppin, Jenny (Enoch Band)
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 707
AEP: 166866
Licence No.: Easting: 81,880.93
Date Started: 25 Feb 92
Nortthing: 5,923,711.00
Date Completed: 25 Feb 92

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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth: 25.9 (m)</td>
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<tr>
<td>NPWL (m): 5.5</td>
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<td>from (m): 6.1 to 7.6</td>
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<tbody>
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</tr>
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<td>OD (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<td>Perforated How:</td>
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<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<table>
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<tr>
<th>Screen:</th>
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<tr>
<td>OD (mm): 1.2</td>
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<td>from (m): 24.4 to 25.9 Size: 0.01</td>
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<th>Open Hole:</th>
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<tbody>
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<td>from (m): to</td>
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<thead>
<tr>
<th>Pump:</th>
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<tbody>
<tr>
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<td>Intake (m): 21.3</td>
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<td>Rec'd intake (m): 21.3 Rec'd Rate (lpm): 18.2</td>
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<td>Cond. (µS/cm): SAR</td>
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<tr>
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<td>Carbonate: DIC</td>
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<td>Bicarbonate: Arsenic</td>
</tr>
<tr>
<td>Sulphate: Beryllium</td>
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<tr>
<td>Chloride: Cadmium</td>
</tr>
<tr>
<td>Bicarbonate: Chromium</td>
</tr>
<tr>
<td>Iron: Cobalt</td>
</tr>
<tr>
<td>TOC: Copper</td>
</tr>
<tr>
<td>Silicon: Lead</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01212

Well Owner: Unknown
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 706
Licence No.: Easting: 81,335.67
Date Started: Northing: 5,923,310.50
Date Completed: 05 Jul 52

General:
Type of Work: Core Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth: 244.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Electric Log: Yes Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
SE 09-052-26 W4M

Well Owner: Martin, Jim
Drilling Contractor: Double R Drig

Well Number 01213

Elevation (AMSL) (m): 705
AEP: 152314
Licence No.: Easting: 81,750.82
Date Started: 04 Dec 89
Norting: 5,922,916.47
Date Completed: 06 Dec 89

General:
Type of Work: Dry Hole
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 91.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Unknown

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 0.9
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

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<tr>
<td>silica</td>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project:
AEP Data: Yes
Database: 1.000H
Well Field Verified: No

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 73.5 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

## Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

## Open Hole:
- from (m): to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:

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<td>Nitrate&amp;Nitrite N</td>
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</table>

## Testing:
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 293.8 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Depth Elevation**

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<th>BGL</th>
<th>AMSL</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td></td>
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<td>(No Lithologic Information Available)</td>
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**Electric Log:** Yes
**Transmissivity:** m³/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**TOC:** Copper Total Alkalinity

**Silica:** Lead Nitrate&Nitrite N

**Database:** Project: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**NE 10-052-26 W4M**

**Well Number:** 01216

**Well Owner:** Enoch Band  
**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 711  
**AEP:** 156981  
**Licence No.:** Easting: 83,653.89  
**Date Started:** 23 Feb 91  
**Northing:** 5,924,304.50  
**Date Completed:** 23 Feb 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 31.7 (m)  
- **NPWL (m):** 5.5  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth:** 30.2 (m)  
- **Bottom:** 30.2 (m)  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Table  
- **from (m):** to 18.3

### Liner:
- **Type:** St  
- **OD (mm):** 1.5  
- **from (m):** to 30.2  
- **to:** 31.7  
- **Size:** 0.01  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** to 30.2  
- **to:** 31.7  
- **Size:** 0.01  
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 25.9

### Testing:
- **Rate (lpm):** 27.4  
- **Time (minute):** 180.0  
- **Level End (m):** 22.9  
- **Drawdown (m):** 17.4  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphorus:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes:** Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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Printed on: 2/20/98
NW 10-052-26 W4M

Well Number: 01217

Well Owner: Peacock, L(Enoch Band)
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 710
AEP: 166867
Licence No.: Easting: 82,384.87
Date Started: 11 Jun 92
Northing: 5,924,097.00
Date Completed: 11 Jun 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 44.2 (m)
NPWL (m): 7.6
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 44.2
Bottom (m): 44.2
OD (mm): 127.0
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): 9.1 to 12.2

Liner:
Type:
OD (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2
from (m): 42.7 to 44.2
Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 30.5

Testing:
Rate (lpm): 18.2
Time (minute): 180.0
Level End (m): 30.5
Drawdown (m): 22.9
Rec’d intake (m): 36.6
Rec’d Rate (lpm): 13.7

Laboratory:

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<tr>
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<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project:
Database: 1.000H
AEP Data: Yes
Well Field Verified: No
**General:**
Type of Work: **Core Hole**  
Drilling Method: **Rotary**  
Well Use: **Investigation**  
Completed Depth: **243.8** (m)  
NPWL (m):  
Verified NPWL (m):  
Abandonment:

**Casing:**
Type:  
Depth (m):  
OD (mm):  
Thickness (mm):  
Seal Type: from (m): to  

**Liner:**
Type:  
OD (mm):  
Thickness (mm):  
Top (m):  
Bottom (m):  
Perforated How: from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Screen:**
Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Open Hole:**
from (m): to  

**Pump:**
Model:  
Intake (m):  

**Testing:**
Rate (lpm):  
Time (minute):  
Level End (m):  
Drawdown (m):  
Rec'd intake (m):  
Rec'd Rate (lpm):  

**Laboratory:**
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<td></td>
</tr>
<tr>
<td>Nitrate &amp; Nitrite N</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**  
*Chemical Constituents are in mg/l (ppm), except as noted.*  

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

**Lithologic Description:**
*(No Lithologic Information Available)*

**Electric Log:** Yes  
**Transmissivity:**  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---
*Water Well Positioned by Mow-Tech in 10TM NAD 27*
**General:**
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 195.7 (m)  
  NPWL (m): 83,975.24  
  Verified NPWL (m): Unknown
- **Abandonment:**

<table>
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<tr>
<th>Casing</th>
<th>Type</th>
<th>Depth (m)</th>
<th>Bottom (m):</th>
<th>Thickness (mm):</th>
</tr>
</thead>
<tbody>
<tr>
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<table>
<thead>
<tr>
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<th>Type</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Screen</th>
<th>Material</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Open Hole</th>
<th>from (m):</th>
<th>to</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Pump</th>
<th>Model</th>
<th>Intake (m):</th>
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<tr>
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<table>
<thead>
<tr>
<th>Testing</th>
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<th>Time (minute):</th>
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<table>
<thead>
<tr>
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<th>Yes</th>
<th>Transmissivity:</th>
<th>m/day</th>
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<tbody>
<tr>
<td>Gamma Log:</td>
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<td></td>
</tr>
<tr>
<td>Aquifer Test:</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project:</td>
<td></td>
<td>Database:</td>
<td>1.000H</td>
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<tr>
<td>AEP Data:</td>
<td>Yes</td>
<td>Well Field Verified:</td>
<td>No</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 214.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m) to Size:
- **from (m):** to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

**Electric Log:** Yes **Transmissivity:** m²/day
- **Gamma Log:** No **Storativity:**
- **Aquifer Test:** No **Project:** Database: 1.000H
- **AEP Data:** Yes **Well Field Verified:** No

**Printed on:** 2/20/98
Well Number 01221

Well Owner: Royalite Oil Co
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 699
Licence No.: 280473
Date Started: 85.219.88
Date Completed: 01 Apr 51

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tr>
<td>Type of Work: Structure Test Hole</td>
<td>(BGL) (AMSL)</td>
<td>(m) (m)</td>
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<tr>
<td>Drilling Method: Unknown</td>
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<tr>
<td>Well Use: Industrial</td>
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<td></td>
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<tr>
<td>Completed Depth 214.6 (m)</td>
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<tr>
<td>NPWL (m): Verified NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
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<table>
<thead>
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<tbody>
<tr>
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<td>Bottom (m):</td>
</tr>
<tr>
<td>Depth (m): Thickness (mm):</td>
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<tr>
<td>OD (mm): Seal Type: from (m): to</td>
<td></td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<table>
<thead>
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<td>Bottom (m):</td>
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<td>OD (mm): Thickness (mm):</td>
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<td>Top (m): Perforated How: from (m): to</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<table>
<thead>
<tr>
<th>Screen:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Material:</td>
<td>Size:</td>
</tr>
<tr>
<td>OD (mm): from (m): to</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>Open Hole: from (m): to</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Pump:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Model: Intake (m):</td>
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</tr>
<tr>
<td>Rate (lpm): Testing: Time (minute):</td>
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</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
<td></td>
</tr>
<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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<thead>
<tr>
<th>Laboratory:</th>
<th>Electric Log: Yes</th>
<th>Transmissivity: m²/day</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD Mercury</td>
<td>Gamma Log: No</td>
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<td>Cond. (µS/cm)</td>
<td>SAR Nickel</td>
<td>Aquifer Test: No</td>
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<tr>
<td>TDS</td>
<td>TKN Selenium</td>
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<tr>
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<td>Nitrate Strontium</td>
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<td>Potassium</td>
<td>Nitrite Molybdenum</td>
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<td>Calcium</td>
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<td>Magnesium</td>
<td>TC Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
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<td>Fluoride</td>
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<td>TOC</td>
<td>Copper Total Alkalinity</td>
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<tr>
<td>Silicon</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

<table>
<thead>
<tr>
<th>Water Well Positioned by Mow-Tech in 10TM NAD 27</th>
<th>Project: Database: 1.000H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remarks: AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>
### General:
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 243.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **OD (mm):** from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
  - **Intake (m):**

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
- **Level End (m):**
  - **Drawdown (m):**
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
  - **COD:**
  - **Cond. (µS/cm):**
  - **TDS:** TKN
  - **Sodium:**
  - **Potassium:**
  - **Calcium:**
  - **Magnesium:**
  - **Carbonate:**
  - **Bicarbonate:**
  - **Aluminium:**
  - **Barium:**
  - **Sulphate:**
  - **Chloride:**
  - **Fluoride:**
  - **Iron:**
  - **TOC:**
  - **Silica:**
  - **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Sodium:**
- **Sulphate:**
- **Phosphate:**
- **Molybdenum:**
- **Vanadium:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Lead-Red:**
- **Nitrate:**
- **Nitrite:**
- **Potassium:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Strontium:**
- **Beryllium:**
- **Phosphate:**
- **Sulphate:**
- **Cadmium:**
- **Iron:**
- **Copper:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Water Well Positioned by Mow-Tech in 10TM NAD 27"
### General:
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 243.8 (m)
- **NPWL (m):** 280476706
- **Verified NPWL (m):** 85,198.07
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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<tbody>
<tr>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>SAR</td>
<td>Nickel</td>
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<td>TKN</td>
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<td>Nitrate</td>
<td>Strontium</td>
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<td>Molybdenum</td>
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<td>TN</td>
<td>Vanadium</td>
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<td>TC</td>
<td>Zinc</td>
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<td>Total Hardness</td>
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<td>Phosphate</td>
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<td>Ion Balance</td>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
</tr>
</tbody>
</table>

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

### Depth Elevation (BGL) (AMSL)
- **Navy (m):**
- **Top (m):**
- **(No Lithologic Information Available)**

### Electric Log:
- **Yes**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Printed on:** 2/20/98

**Well Number:** 01223
13-11-052-26 W4M

Well Owner: Royalite Oil Co
Drilling Contractor: Unknown Driller

Well Number 01224
Elevation (AMSL) (m): 709
Licence No.: Easting: 83,975.24
Date Started: Northing: 5,923,959.45
Date Completed: 08 Apr 51

General:
Type of Work: Structure Test Hole
Well Use: Industrial
Completed Depth: 256.6 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m)
Lithologic Description
(No Lithologic Information Available)
**Well Number:** 01225

**Well Owner:** Enoch Reserve

**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 709

**AEP:** 159485

**Licence No.:** Easting: 85,288.89

**Date Started:** 20 Jul 91

**NORTHING:** 5,923,970.50

**Date Completed:** 24 Jul 91

**Well Use:** Domestic

**Type of Work:** New Well

**Drilling Method:** Rotary

**Completed Depth:** 106.7 (m)

**NPWL (m):** 21.3

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 54.0
- **Bottom (m):** 54.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap

**from (m):**

**to (m):** 54.0

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickmess (mm):** 0.1
- **Top (m):** 50.3
- **Bottom (m):** 106.7

**Perforated How:** Machine

**from (m):** 61.0

**to (m):** 106.7

**Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to (m):**

**Open Hole:**

**from (m):**

**Pump:**

- **Model:**
- **Intake (m):** 103.6

**Testing:**

- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):** 68.6
- **Drawdown (m):** 47.2
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):** 4.6

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Berylium:**
- **Phosphates:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

**printb on 2/20/98**
**SE 11-052-26 W4M**

**Well Number:** 01226

**Well Owner:** Enoch Indian Reserve

**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 706

**AEP:** 157629

**Licence No.:** Easting: 85,293.23

**Date Started:** 29 Mar 91

**Norting:** 5,923,287.00

**Date Completed:** 29 Mar 91

**Well Use:** Domestic

**Completed Depth:** 39.6 (m)

**NPWL (m):** 12.2

**Verified NPWL (m):**

**Abandonment:**

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Casing:**

- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 12.2

**Liner:**

- **Type:** Plastic
- **OD (mm):**
- **Top (m):**
- **Thickness (mm):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** to 36.6
- **Size:** 0.01
- **Size:**
- **Size:**

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
- **Intake (m):** 35.0

**Testing:**

- **Rate (lpm):** 36.5
- **Time (minute):** 180.0
- **Level End (m):** 32.0
- **Drawdown (m):** 19.8
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log: No**

**Transmissivity:** m³/day

**Gamma Log: No**

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

*Water Well Positioned by PFRA in 10TM NAD 27*

*printed on 2/20/98*
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** 36.6
- **Verified NPWL (m):**
- **Abandonment:**

## Casting:
- **Type:** Plastic
- **Depth (m):** 56.4
- **Bottom (m):** 56.4
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 6.1 to 7.6

## Liner:
- **Type:**
- **OD (mm):**
- **Thicknes (mm):**
- **Top (m):**
- **Bottom (m):**
- **Seal Type:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

## Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 54.9 to 56.4
- **Size:** 0.01
- **from (m):**
- **Size:**

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Intake (m):** 50.3

## Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 180.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**
- **Time (minute):**
- **Rate (lpm):**
- **Drawdown (m):**

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Manganese:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

## Electric Log:
- **Transmissivity:** m³/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**
- **Database:** 1.000H

## Chemical Constituents are in mg/l (ppm). Except as noted.

## Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 01227

- **Elevation (AMSL) (m):** 705
- **AEP:** 166868
- **Licence No.:**
- **Date Started:** 27 Feb 92
- **Easting:** 86,937.88
- **No:**
- **North:** 5,923,420.50
- **27 Feb 92**

---

**Depth (m) | Elevation (BGL) (m) | Lithologic Description**
---
9.1 | 696.1 | Sand Brown
18.9 | 686.3 | Clay Blue
42.7 | 662.6 | Silt Brown
50.3 | 655.0 | Clay Blue
57.9 | 647.3 | Sand

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**printed on 2/20/98**
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 38.1 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 38.1
- **Bottom (m):** 38.1
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Table
- **from (m):** 3.1 to 6.1

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 36.6 to 38.1
- **Size:** 0.01
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 30.5

**Testing:**

- **Rate (lpm):** 91.2
- **Time (minute):** 180.0
- **Level End (m):** 30.5
- **Drawdown (m):** 12.2
- **Rec'd intake (m):** 30.5
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
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<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
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<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
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<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
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<td>Phosphate</td>
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<td>Chromium</td>
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</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
Well Number: 01229

Well Owner: Can Gulf Oil Co Hole #11
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 709
AEP: 264629
Licence No.: Easting: 85,575.40
Date Started: Northing: 5,925,611.76
Date Completed: 01 Sep 50

General:
Type of Work: Core Hole
Drilling Method: Rotary
Well Use: Investigation
Completed Depth 243.8 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
Bottom (m):
Thickness (mm):
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Thickness (mm):
from (m):
to

Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
**04-13-052-26 W4M**

Well Owner: *Can Gulf Oil Co Hole #21*

Drilling Contractor: *Unknown Driller*

<table>
<thead>
<tr>
<th>Well Number: 01230</th>
<th>Elevation (AMSL) (m): 711</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEP: 264626</td>
<td>Easting: 85,598.15</td>
</tr>
<tr>
<td>Date Started:</td>
<td>Northing: 5,924,392.42</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>14 Sep 50</td>
</tr>
</tbody>
</table>

**General:**

- Type of Work: **Core Hole**
- Drilling Method: **Rotary**
- Well Use: **Investigation**
- Completed Depth: 249.9 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**

- Type:
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- Seal Type:
  - from (m): to

**Liner:**

- Type:
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- Model:
  - Intake (m):

**Testing:**

- Rate (lpm):
  - Time (minute):
- Level End (m):
  - Drawdown (m):
- Rec'd intake (m):
  - Rec'd Rate (lpm):

**Laboratory:**

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** Yes  **Transmissivity:** m³/day

**Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Project:** Database: 1.000H

**AEP Data:** Yes  **Well Field Verified:** No

printed on 2/20/98
**Well Number:** 01231

**Well Owner:** Can Gulf Oil Co Hole #31

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 723

**Licence No.:** Easting: 85,990.36

**Date Started:** Northing: 5,925,212.84

**Date Completed:** 28 Sep 50

**Well Number:** 11-13-052-26 W4M

**General:**
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 268.5 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** Yes
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**printed on 2/20/98**
**General:**
- **Type of Work:** Structure Test Hole
- **Well Use:** Industrial
- **Completed Depth:** 244.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

- **Electric Log:** Yes Transmissivity: m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Number: 01233

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 41.2 m
- NPWL (m): 8.5
- Abandonment:
- Type: Plastic
- Depth (m): 38.7
- Bottom (m): 38.7
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Table
- from (m): to 18.3

Liner:
- Type:
- Thickness (mm):
- OD (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

Screen:
- Material: St
- OD (mm): 1.1
- from (m): to 40.2
- Size: 0.01
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):
- Rate (lpm): 136.8
- Time (minute): 240.0
- Level End (m): 31.4
- Drawdown (m): 22.9
- Rec'd Rate (lpm): 45.6

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

Electric Log: No
- Transmissivity: m³/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 262.1 m
- **NPWL (m):** Verifed NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to
- **Casing:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
  - **Testing:**
    - **Rate (lpm):** Time (minute):
    - **Level End (m):** Drawdown (m):
    - **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

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<thead>
<tr>
<th>Chemical Constituents</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<td>TDS</td>
<td>TKN</td>
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<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
</tr>
<tr>
<td>Chemical Constituents</td>
<td>are in mg/l (ppm). Except as noted.</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 249.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth:**
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Well Number:** 01235

**Well Owner:** Can Gulf Oil Co Hole #30

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 704

**AEP:** 264633

**Licence No.:**

**Date Started:**

**Date Completed:** 27 Sep 50

**Easting:** 84,567.86

**Northing:** 5,924,983.85

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** Yes

**Gamma Log:** No

**Aquifer Test:** No

**AEP Data:** Yes

**Database:** 1.000H

**Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL (m):** 12.2
- **Verified NPWL (m):** 
- **Abandonment:** 

#### Casing:
- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Benseal
- **from (m):** to 18.3

#### Liner:
- **Type:** 
- **OD (mm):** 
- **Top (m):** 
- **Bottom (m):** 
- **Perforated How:** 
- **from (m):** to 
- **Size:**
- **from (m):** to 
- **Size:**
- **from (m):** to 
- **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 35.0
- **to 36.6**
- **Size:** 0.01
- **from (m):** to 
- **Size:**

#### Open Hole:
- **from (m):** to 

#### Pump:
- **Model:** 
- **Intake (m):** 33.5

#### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 180.0
- **Level End (m):** 30.5
- **Drawdown (m):** 18.3
- **Rec'd intake (m):** 18.3
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):** 
- **COD:** 
- **Nickel:** 
- **SAR:** 
- **Selenium:** 
- **TDS:** 
- **Strontium:** 
- **TKN:** 
- **Molybdenum:** 
- **TN:** 
- **Vanadium:** 
- **TC:** 
- **Zinc:** 
- **Carbonate:** 
- **Hydroxide:** 
- **Bicarbonate:** 
- **Arsenic:** 
- **Total Hardness:** 
- **Aluminum:** 
- **Manganese:** 
- **Barium:** 
- **Sulphate:** 
- **Beryllium:** 
- **Phosphate:** 
- **Chloride:** 
- **Ion Balance:** 
- **Fluoride:** 
- **Amm. Nitrogen:** 
- **Iron:** 
- **Total Phosphate:** 
- **TOC:** 
- **Total Alkalinity:** 
- **Silica:** 
- **Lead:** 
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01237

Well Owner: Can Gulf Oil Co Hole #2
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 713
AEP: 264635
Licence No.: Easting: 82,315.45
Date Started: Northing: 5,924,724.57
Date Completed: 19 Aug 50

General:
Type of Work: Core Hole
Drilling Method: Rotary
Well Use: Investigation
Completed Depth: 260.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
\[
\begin{align*}
\text{pH (pH unit)} & \quad \text{COD} & \quad \text{Mercury} \\
\text{Cond. (µS/cm)} & \quad \text{SAR} & \quad \text{Nickel} \\
\text{TDS} & \quad \text{TKN} & \quad \text{Selenium} \\
\text{Sodium} & \quad \text{Nitrate} & \quad \text{Strontium} \\
\text{Potassium} & \quad \text{Nitrite} & \quad \text{Molybdenum} \\
\text{Calcium} & \quad \text{TN} & \quad \text{Vanadium} \\
\text{Magnesium} & \quad \text{TC} & \quad \text{Zinc} \\
\text{Carbonate} & \quad \text{DIC} & \quad \text{Hydroxide} \\
\text{Bicarbonate} & \quad \text{Arsenic} & \quad \text{Total Hardness} \\
\text{Aluminum} & \quad \text{Barium} & \quad \text{Manganese} \\
\text{Sulphate} & \quad \text{Beryllium} & \quad \text{Phosphate} \\
\text{Chloride} & \quad \text{Cadmium} & \quad \text{Ion Balance} \\
\text{Fluoride} & \quad \text{Chromium} & \quad \text{Amm. Nitrogen} \\
\text{Iron} & \quad \text{Cobalt} & \quad \text{Total Phosphate} \\
\text{TOC} & \quad \text{Copper} & \quad \text{Total Alkalinity} \\
\text{Silica} & \quad \text{Lead} & \quad \text{Nitrate&Nitrite} \\
\end{align*}
\]

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: Yes Transmissivity: \( m^2/\text{day} \)
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
Well Number: 01238

Well Owner: Can Gulf Oil Co Hole #26
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 706
AEP: 264636
Licence No.: Easting: 82,537.84
Date Started: Northing: 5,925,575.42
Date Completed: 25 Sep 50

### General
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>(m)</th>
<th>NPWL (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>260.6</td>
<td></td>
<td>Verified NPWL (m):</td>
</tr>
</tbody>
</table>

- **Abandonment:**

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory
- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminum**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beeryllium:**
- **Phosphate:**
- **Cadium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log
- **Yes**

### Gamma Log
- **No**

### Aquifer Test
- **No**

### AEP Data
- **Yes**

### Database
- **1.000H**

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number: 01239**

**Well Owner:** Can Gulf Oil Co Hole #29  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 705  
**AEP:** 264639  
**Licence No.:**  
**Easting:** 82,937.60  
**Date Started:**  
**Northing:** 5,924,955.06  
**Date Completed:** 27 Sep 50

---

**General:**
- **Type of Work:** Core Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Investigation  
- **Completed Depth:** 248.7 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - from (m): to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  

**Screen:**
- **Material:**  
- **OD (mm):** to Size:  
  - from (m): to  
  - from (m): to  
  - from (m): to  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Remainder:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  
- **Well Use:** Water Well Positioned by Mow-Tech in 10TM NAD 27

**Remarks:**

---

**Printed on:** 2/20/98
Well Number: 01240

Well Owner: Can Gulf Oil Co #11w
Drilling Contractor: Unknown Driller

**General:**
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 243.8 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**

**Laboratory:**

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<th>Value</th>
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</tr>
<tr>
<td>Cond. (µS/cm)</td>
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<td></td>
</tr>
<tr>
<td>COD</td>
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</tr>
<tr>
<td>SAR</td>
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<tr>
<td>Lead</td>
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<tr>
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<td>Manganese</td>
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<td></td>
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<tr>
<td>Total Hardness</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
<td></td>
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</tbody>
</table>

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27

<table>
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<tr>
<th>Electric Log</th>
<th>Yes</th>
<th>Transmissivity</th>
<th>m²/day</th>
</tr>
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<tbody>
<tr>
<td>Gamma Log</td>
<td>No</td>
<td>Storativity</td>
<td></td>
</tr>
<tr>
<td>Aquifer Test</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Project</td>
<td></td>
<td>Database</td>
<td>1,000H</td>
</tr>
<tr>
<td>AEP Data</td>
<td>Yes</td>
<td>Well Field Verified</td>
<td>No</td>
</tr>
</tbody>
</table>
## General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 244.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

## Laboratory:
<table>
<thead>
<tr>
<th>Constituent</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td></td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

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**Well Number:** 01241

**Well Owner:** Can Gulf Oil Co Hole #18w

**Elevation (AMSL) (m):** 708

**AEP:** 264679

**Date Started:** 18 Jul 52

**Easting:** 81,130.15

**Northing:** 5,924,328.38

**Licence No.:**

---

**Printed on:** 2/20/98
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 252.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:
- **Open Hole:**
  - from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrile Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Owner: Can Gulf Oil Co Hole #3w

Drilling Contractor: Unknown Driller

Well Number: Can Gulf Oil Co Hole #3w Elevation (AMSL) (m): 709

Date Started: Easting: 5,924,718.11

Date Completed: 02 Jun 52

Well Use: Investigation

Drilling Method: Rotary

General:

Type of Work: Core Hole

Well Use: Investigation

Completed Depth 231.9 (m)

NPWL (m): Verified NPWL (m):

Abandonment:

Casing:

Type:

Depth (m):

OD (mm):

Seal Type:

from (m): to

Liner:

Type:

OD (mm):

Top (m):

Seal Thickness (mm):

from (m): to

Perforated How:

from (m): to Size:

from (m): to Size:

from (m): to Size:

Screen:

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

Open Hole:

from (m): to

Pump:

Model:

Intake (m):

Testing:

Rate (lpm):

Time (minute):

Level End (m):

Drawdown (m):

Rec’d intake (m):

Rec’d Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: Yes Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project:
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
13-16-052-26 W4M

Well Number: 01244
Well Owner: Can Gulg Oil Co Hole #22w
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 713
Licence No.: Easting: 80,687.22
Date Started: Northing: 5,925,524.27
Date Completed: 05 Aug 52

General:
Type of Work: Core Hole
Drilling Method: Rotary
Well Use: Investigation
Completed Depth: 240.8 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27

Remarks:

Electric Log: Yes Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**Well Number:** 01245

**Well Owner:** Royalite Oil Co

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 709

**AEP:** 280465

**Eastings:** 81,930.11

**Northing:** 5,924,327.41

**Date Started:**

**Date Completed:** 17 Apr 51

---

### General:

- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 204.2 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:

- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
## General

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>Core Hole</th>
</tr>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Investigation</td>
</tr>
<tr>
<td>Completed Depth:</td>
<td>231.6 m</td>
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<tr>
<td>NPWL (m):</td>
<td>Verified NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

## Casing

| Type: | |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: | from (m): to |

## Liner

| Type: | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | from (m): to Size: |
| from (m): to Size: |
| from (m): to Size: |

## Screen

| Material: | |
| OD (mm): | from (m): to Size: |
| from (m): to Size: |
| from (m): to Size: |

## Open Hole

| from (m): to |

## Pump

| Model: | Intake (m): |

## Testing

| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

## Laboratory

| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: Yes
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
# General Information

**Well Number:** 01247  
**Well Owner:** Can Gulf Oil Co Hole #2w  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 709  
**AEP:** 264702  
**Easting:** 79,472.39  
**Northing:** 5,925,094.71  
**Date Started:** 01 Jun 52

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<th>Field</th>
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<td>Well Use</td>
<td>Investigation</td>
</tr>
<tr>
<td>Completed Depth (m)</td>
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<td>NPWL (m)</td>
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<td>Abandonment</td>
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</tr>
<tr>
<td>Depth (m)</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>OD (mm)</td>
<td>Thickness (mm):</td>
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<tr>
<td>Seal Type</td>
<td>from (m): to</td>
</tr>
<tr>
<td>Type</td>
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<tr>
<td>Top (m)</td>
<td>Bottom (m):</td>
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<td>Perforated How:</td>
<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<tr>
<td>from (m): to Size:</td>
<td></td>
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<tr>
<td>Screen:</td>
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<tr>
<td>Material</td>
<td></td>
</tr>
<tr>
<td>OD (mm): from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
</tr>
<tr>
<td>Testing:</td>
<td>Rate (lpm): Time (minute):</td>
</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
<td></td>
</tr>
<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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</table>

## Chemical Constituents

<table>
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<tr>
<th>Constituent</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
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<td>Potassium</td>
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<td>Calcium</td>
<td>TC</td>
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</tr>
<tr>
<td>Carbonate</td>
<td>Bicarbonate</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
<td>Chromium</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

### Remarks

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 29.0 (m)
- NPWL (m): 6.1
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 29.0
- Bottom (m): 29.0
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): to 21.3

**Liner:**
- Type: St
- OD (mm): 7.5
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 1.5
- from (m): to 29.0
- Size: 0.02
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): 24.4

**Testing:**
- Rate (lpm): 13.7
- Time (minute): 120.0
- Level End (m): 18.3
- Drawdown (m): 12.2
- Rec'd intake (m): Rec'd Rate (lpm): 13.7

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silicon: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 01249**

**Well Owner:** Royalite Oil Co  
**Elevation (AMSL) (m):** 711  
**Licence No.:** 711  
**Date Started:** 17 Apr 51  
**AEP:** 280386  
**Easting:** 80,300.70  
**Nothing:** 5,924,297.30  

### General
- **Type of Work:** Structure Test Hole
- **Well Use:** Industrial
- **Completed Depth:** 219.5 (m)  
- **NPWL (m):** 80,300.70  
- **Verified NPWL (m):** Unknown  
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
  - **from (m):** to

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Molybdenum:**
- **Beryllium:**
- **Lead:**
- **Total Hardness:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Seal Type:**
- **Screen:**
- **Type:**
- **Thickness (mm):**
- **OD (mm):**
- **Bottom (m):**
- **Top (m):**
- **Thickness (mm):**
- **OD (mm):**
- **Bottom (m):**
- **Top (m):**
- **Thickness (mm):**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Lead:**
- **Nitrate & Nitrite N:**

### AEP Data:
- **Database:** 1.000H
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Number: 01250

Well Owner: *Unknown*

Drilling Contractor: *Unknown Driller*

**General:**
- **Type of Work:** Core Hole
- **Well Use:** Industrial
- **Completed Depth:** 240.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to Size:
    - **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
  - **Intake (m):**

**Testing:**
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
  - **Cond. (µS/cm):** SAR
  - **TDS:** TKN
  - **Sodium:** Nitrate
  - **Potassium:** Nitrite
  - **Calcium:** TN
  - **Magnesium:** TC
  - **Carbonate:** DIC
  - **Bicarbonate:** Arsenic
  - **Aluminum:** Barium
  - **Sulphate:** Beryllium
  - **Chloride:** Cadmium
  - **Fluoride:** Chromium
  - **Iron:** Cobalt
  - **TOC:** Copper
  - **Silica:** Lead

**Remarks:**
- *Water Well Positioned by Mow-Tech in 10TM NAD 27*

---

**Well Number:** 01250

**Elevation (AMSL) (m):** 709

**AEP:** 280490

**Licence No.:** Easting: 79,678.66

**Date Started:** Northing: 5,924,896.32

**Date Completed:** 06 Aug 52

---

**Depth**

**Elevation (BGL) (AMSL)**

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<tr>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
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</tr>
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</table>

**Lithologic Description**

(No Lithologic Information Available)

---

**Electric Log:** Yes

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 01251

Elevation (AMSL) (m): 708
AEP: 240657
Licence No.: Easting: 78,644.45
Date Started: Northing: 5,924,500.00
Date Completed: 23 Sep 72

### General:
- Type of Work: Test Hole
- Drilling Method: Rotary
- Well Use: Unknown
- Completed Depth: 42.7 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment: Unknown

### Casing:
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): to

### Liner:
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- Model: Intake (m):

### Testing:
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

### Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphorus
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- silica: Lead Nitrate&Nitrite N

### Depth Elevation (BGL) (AMSL)

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<th>(m)</th>
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<td>706.5</td>
<td>Loam Silty</td>
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<tr>
<td>4.6</td>
<td>703.4</td>
<td>Silt Yellow</td>
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<tr>
<td>10.7</td>
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<td>Silt Light Green</td>
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<tr>
<td>42.7</td>
<td>665.3</td>
<td>Shale &amp; Siltstone Carbonaceous</td>
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</table>

### Electric Log: Yes Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 18-052-26 W4M**

Well Owner: **Bagheri, John**

Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

---

### Well Details

- **Well Number**: 01252
- **Elevation (AMSL) (m)**: 709
- **AEP**: 150965
- **Date Started**: 05 Mar 90
- **Easting**: 77,538.88
- **Date Completed**: 08 Mar 90
- **Northing**: 5,925,127.00

#### General Information

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</tr>
<tr>
<td>NPWL (m)</td>
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</table>

#### Abandonment:

- Type: **Steel**
  - Depth (m): 46.9
  - Bottom (m): 46.9
- OD (mm): 141.2
- Thickness (mm): 0.1

#### Plate Information:

- **Plate No.**: Easting:
- **Plate Type**: Northing:

#### Lithologic Description:

<table>
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<th>Depth (m)</th>
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#### Laboratory Analysis:

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<tr>
<td>Lead</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td></td>
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#### Electric Log:

- No

#### Gamma Log:

- No

#### Aquifer Test:

- No

#### Database:

- Project: 1.000H

#### AEP Data:

- Yes
- Well Field Verified: No

### Testing Information:

- Rate (lpm): 6.8
- Time (minute): 420.0
- Level End (m): 79.2
- Drawdown (m): 68.6
- Rec’d intake (m): Rec’d Rate (lpm):

### Open Hole:

- OD (mm): 116.8
- Thickness (mm): 0.1

### Screen Information:

- OD (mm): 46.9
- Thickness (mm): 0.1
- from (m): 46.9 to 95.1

### Pump Information:

- Model:
- Intake (m): 
- Testing Rate (lpm): 6.8
- Time (minute): 420.0
- Level End (m): 79.2
- Drawdown (m): 68.6
- Rec’d intake (m):

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 18-052-26 W4M**

**Well Owner:** Bagheri, John  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th><strong>Elevation (AMSL) (m):</strong></th>
<th><strong>License No.:</strong></th>
<th><strong>AEP:</strong></th>
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<tbody>
<tr>
<td>710</td>
<td></td>
<td>150224</td>
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**Date Started:** 28 Feb 90  
**Date Completed:** 05 Mar 90  
**Easting:** 77,636.04  
**Northing:** 5,925,263.95

**Well Field Verified:** Yes  
**Database:** 1,000H

### General:
- **Type of Work:** New Well-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Unknown  
- **Completed Depth:** 115.5 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:** Unknown

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- **Liner:**  
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:**  
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **Open Hole:**  
- **from (m):** to  
- **Pump:**  
- **Model:** Intake (m):  
- **Testing:**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphates  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1,000H  
**AEP Data:** Yes  
**Well Field Verified:** No

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27  
- Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 18-052-26 W4M**

**Well Owner:** Pietruch, A.

**Well Use:** Domestic

**Elevation (AMSL) (m):** 710

**Licence No.:** Easting: 77,439.14

**Date Started:** Northing: 5,925,222.50

**Date Completed:**

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**Well Number:** 01254

**Well Owner:** Pietruch, A.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 710

<table>
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<th>Date Started:</th>
<th>Northing:</th>
<th>Date Completed:</th>
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</thead>
<tbody>
<tr>
<td>AEP: 156707</td>
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<td>Northing: 5,925,222.50</td>
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**General:**

<table>
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<tr>
<th>Type of Work:</th>
<th>Chemistry</th>
</tr>
</thead>
</table>

**Drilling Method:** Not Applicable

**Well Use:** Domestic

**Completed Depth:** 91.4 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**

<table>
<thead>
<tr>
<th>Type:</th>
</tr>
</thead>
</table>

**Depth (m):** Bottom (m):  

**OD (mm):** Thickness (mm):

**Seal Type: from (m):** to

**Liner:**

| Type: |

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How: from (m):** to Size:

**from (m):** to Size:

**from (m):** to Size:

**Screen:**

| Material: |

**OD (mm):** Thickness (mm):

**from (m):** to Size:

**from (m):** to Size:

**Open Hole: from (m):** to

| Pump: |

**Model:** Intake (m):

| Testing: |

**Rate (lpm):** Time (minute):

**Level End (m):** Drawdown (m):

**Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**

<table>
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</thead>
<tbody>
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</tr>
<tr>
<td>SAR</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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<th>Electric Log:</th>
<th>Transmissivity: m²/day</th>
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<tr>
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<td>Storativity:</td>
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<tr>
<td>Aquifer Test:</td>
<td>Well Field Verified: No</td>
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<tr>
<td>Database:</td>
<td>1.000H</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth (m):** (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m)**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
</tr>
</thead>
</table>

(No Lithologic Information Available)
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**

**Completed Depth:** 41.2 (m)
NPWL (m): 18.3
- Veriﬁed NPWL (m):

**Abandonment:**

**Casing:**
- Type: **Plastic**
- Depth (m): 36.3
- Bottom (m): 36.3
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: **Bentonite Chips/Tabl**
- from (m): to
  - 24.4

**Liner:**
- Type:  
- OD (mm): Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to
- Size:

**Screen:**
- Material: St
- OD (mm): 1.2
- from (m): 36.3 to 37.8
- Size: 0.01
- from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- Model:  
- Intake (m): 33.5
- Rate (lpm): 22.8
- Time (minute): 180.0
- Level End (m): 29.0
- Drawdown (m): 10.7
- Rec’d intake (m): Rec’d Rate (lpm): 18.2

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium:  
- Nitrate:  
- Strontium:  
- Potassium:  
- Nitrite:  
- Molybdenum:  
- Calcium:  
- TC:  
- Magnesium:  
- Zinc:  
- Carbonate:  
- DIC:  
- Bicarbonate:  
- Arsenic:  
- Total Hardness:  
- Aluminum:  
- Barium:  
- Manganese:  
- Sulphate:  
- Beryllium:  
- Phosphate:  
- Chloride:  
- Cadmium:  
- Ion Balance:  
- Fluoride:  
- Chromium:  
- Amm. Nitrogen:  
- Iron:  
- Cobalt:  
- Total Phosphate:  
- TOC:  
- Copper:  
- Total Alkalinity:  
- Silica:  
- Lead:  
- Nitrate&Nitrite:  

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number: 01256**
- Elevation (AMSL) (m): 712
- AEP: 154849
- Licence No.: 76,946.82
- Date Started: 24 Jul 90
- Easting: 5,927,254.00
- Northing: 24 Jul 90
- Date Completed: 24 Jul 90
- Project: 1.000H
- Water Well Verified: No
- Well Field Verified: Yes
- Database: 1.000H
SE 20-052-26 W4M

Well Owner: Kachuk, Nick
Drilling Contractor: Kap’S Drilling Ltd.

Well Number 01257

Elevation (AMSL) (m): 711
Licence No.: 160269
Date Started: 12 Aug 91
Easting: 80,112.20
Date Completed: 12 Aug 91
Northing: 5,926,048.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Industrial
Completed Depth: 40.5 m
NPWL (m): 6.1
Abandonment:
Casing:
Type: Plastic
Depth (m): 37.2
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Cuttings
from (m): to 37.2
Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material: St
OD (mm): 1.5
from (m): to 40.2
Size: 0.01
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model: Intake (m): 36.6
Testing:
Rate (lpm): 45.6
Time (minute): 180.0
Level End (m): Drawdown (m):
Rec’d intake (m): 36.6
Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
### General:
- **Type of Work:** Core Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Investigation  
- **Completed Depth:** 252.4 m  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

---

### Depth Elevation

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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</thead>
<tbody>
<tr>
<td>NPWL</td>
<td>Well Use</td>
</tr>
<tr>
<td>BGL</td>
<td>AMSL</td>
</tr>
<tr>
<td>Lithologic Description</td>
<td>(No Lithologic Information Available)</td>
</tr>
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</table>

**AEP Data:** Yes  
**Well Field Verified:** No  
**Database:** 1.000H  
**Project:**  
**Aquifer Test:** No  
**Gamma Log:** No  
**Storativity:**  
**Transmissivity:** m³/day  
**AEP Log:** Yes  
**Electric Log:** Yes  

**Remarks:**  

---

**Printed on:** 2/20/98
## Water Well Details

**Well Number:** 01259

**Well Owner:** Can Gulf Oil Co Hole #20w

### General Details
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 249.0 (m)
- **NPWL (m):**
- **Verif. NPWL:**
- **Abandonment:**

### Casing
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole
- **from (m):**
- **to:**

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:**

### Remarks
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Elevation (AMSL) (m):** 710

**AEP:** 264705

**Date Started:**

**Date Completed:** 03 Aug 52

**Licence No.:** Easting: 81,102.09

**Northing:** 5,925,951.55

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
**Well Number:** 01260  
**Well Owner:** Can Gulf Oil Co Hole #6w  
**Drilling Contractor:** Unknown Driller

### General Information
- **Type of Work:** Core Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Investigation

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<thead>
<tr>
<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Verify NPWL (m)</th>
<th>Abandonment</th>
</tr>
</thead>
<tbody>
<tr>
<td>252.4 (m)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:**  
- from (m): to  
- **Size:**  
- from (m): to  
- **Size:**

### Screen
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- from (m): to  
- **Size:**  
- from (m): to  
- **Size:**

### Open Hole
- **Model:**  
- **Intake (m):**

### Pump
- **Model:**  
- **Intake (m):**

### Testing
- **Rate (lpm):**  
- **Time (minute):**

### Laboratory
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Electric Log
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Water Well Positioned by Mow-Tech in 10TM NAD 27

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**Water Well Positioned by Mow-Tech in 10TM NAD 27**
Well Number: 01261

Well Owner: Can Gulf Oil Co Hole #7w
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 715
Licence No.: Easting: 80,660.68
Date Started: Northing: 5,927,130.19
Date Completed: 29 Jun 52

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<th>Lithologic Description</th>
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<td>(BGL) (AMSL)</td>
<td>(m) (m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td></td>
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<tr>
<td>Well Use: Investigation</td>
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<tr>
<td>Completed Depth 261.5 (m)</td>
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<tr>
<td>Casing:</td>
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</tr>
<tr>
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<td>Depth (m): Bottom (m):</td>
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<td>OD (mm): Thickness (mm):</td>
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<td>Seal Type:</td>
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<tr>
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<tr>
<td>Type:</td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Top (m): Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>Open Hole:</td>
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<td>from (m): to</td>
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<td></td>
</tr>
<tr>
<td>Pump:</td>
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<tr>
<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<td>Testing:</td>
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<tr>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<tr>
<td>Level End (m): Drawdown (m):</td>
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</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
<td></td>
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</table>

Laboratory:
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Electric Log: Yes Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Well Field Verified: No

Database: 1.000H

printed on 2/20/98
## General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 258.5 (m)
- **NPWL (m):** 80,660.68
- **Verfied NPWL (m):** Unknown
- **Abandonment:**

## Casing:
- **Type:**
- **Depth:** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Size:** from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Size:** from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):**

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Yes** Transmissivity: m²/day
- **No** Storativity:
- **No** Aquifer Test:
- **1.000H** Project:
- **Yes** Well Field Verified:

**Remarks:** Water Well Positioned by Mow-Tech in 10TM NAD 27
# Water Well Positioned by Mow-Tech in 10TM NAD 27

## General
- **Type of Work**: Test Hole-Abandoned
- **Drilling Method**: Rotary
- **Well Use**: Industrial
- **Completed Depth**: 31.1 m
- **NPWL (m)**: 11.9
- **Verified NPWL (m)**: 8.2
- **Abandonment**: Bentonite Product on 02 Jan 95

## Casing
- **Type**: Plastic
- **Depth (m)**: 29.0
- **Bottom (m)**: 29.0
- **OD (mm)**: 152.4
- **Thickness (mm)**: 0.1
- **Seal Type**: from (m): to

## Liner
- **Type**: Plastic
- **Depth (m)**: 29.0
- **Bottom (m)**: 30.0
- **OD (mm)**: 152.4
- **Thickness (mm)**: 0.1
- **Perforated How**: from (m): to Size:
  - (m): Size:
  - (m): Size:

## Screen
- **Material**: St
- **OD (mm)**: 152.4
- **Thickness (mm)**: 1.5
- **from (m)**: 29.0 to 30.5
- **Size**: 0.01
- **Top (m)**: Bottom (m): from (m): to Size:

## Open Hole
- **from (m)**: to

## Pump
- **Model**: Intake (m): 24.4

## Testing
- **Rate (lpm)**: 31.9
- **Time (minute)**: 120.0
- **Level End (m)**: 24.4
- **Drawdown (m)**: 12.5
- **Rec'd intake (m)**: 24.4
- **Rec'd Rate (lpm)**: 27.4

## Laboratory
- **pH (pH unit)**: COD
- **Cond. (µS/cm)**: SAR
- **TDS**: TKN
- **Sodium**: Nitrate
- **Potassium**: Nitrite
- **Calcium**: TKN
- **Magnesium**: TKN
- **Carbonate**: DIC
- **Bicarbonate**: DIC
- **Barium**: Barium
- **Sulphate**: Beryllium
- **Chloride**: Cadmium
- **Fluoride**: Chromium
- **Iron**: Cobalt
- **TOC**: Copper
- **Silica**: Lead

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Permissible Limits (mg/l)</th>
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<tbody>
<tr>
<td>COD</td>
<td>24.4</td>
</tr>
<tr>
<td>Mercury</td>
<td>120.0</td>
</tr>
<tr>
<td>Nickel</td>
<td>24.4</td>
</tr>
<tr>
<td>Selenium</td>
<td>24.4</td>
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<tr>
<td>Strontium</td>
<td>24.4</td>
</tr>
<tr>
<td>Molybdenum</td>
<td>24.4</td>
</tr>
<tr>
<td>Zinc</td>
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<tr>
<td>Hydroxide</td>
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<tr>
<td>Total Hardness</td>
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<tr>
<td>Manganese</td>
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<td>Phosphate</td>
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<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<td>24.4</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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</tbody>
</table>

## Electric Log: No
- **Transmissivity**: m²/day
- **Gamma Log**: No
- **Storativity**: 1.000
- **Aquifer Test**: No
- **Database**: Project: 1.000H
- **AEP Data**: Yes
- **Well Field Verified**: No

### Remarks
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number:** 01263

**Well Owner:** Ridgewood Winalta Shelters

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 710

**AEP:** 255798

**Licence No.:**

**Easting:** 81,280.63

**Date Started:** 22 Dec 94

**Northing:** 5,926,540.13

**Date Completed:** 23 Dec 94
**General:**
Type of Work: **Structure Test Hole**
Drilling Method: **Unknown**
Well Use: **Industrial**
Completed Depth: **228.6** (m)
NPWL (m): **Verified NPWL (m):**
Abandonment:

**Casing:**
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

**Liner:**
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

**Open Hole:**
from (m): to

**Pump:**
Model:
Intake (m):

**Testing:**
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

**Laboratory:**
<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Electric Log:** Yes
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number:** 01265

**Well Owner:** Royalite Oil Co

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 715

**Licence No.:** 280482

**Date Started:** 24 Mar 51

**Date Completed:** 24 Mar 51

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

### General:

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<th>Type of Work</th>
<th>Structure Test Hole</th>
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<td>Well Use</td>
<td>Industrial</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>243.8 (m)</td>
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### Casing:

<table>
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<th>Type:</th>
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<tbody>
<tr>
<td>Depth (m):       Bottom (m):</td>
</tr>
<tr>
<td>OD (mm):         Thickness (mm):</td>
</tr>
<tr>
<td>Seal Type:</td>
</tr>
<tr>
<td>from (m):        to</td>
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### Liner:

<table>
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<tr>
<td>OD (mm):        Thickness (mm):</td>
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<tr>
<td>Top (m):        Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
</tr>
<tr>
<td>from (m):       to Size:</td>
</tr>
<tr>
<td>from (m):       to Size:</td>
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<tr>
<td>from (m):       to Size:</td>
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</tbody>
</table>

### Screen:

<table>
<thead>
<tr>
<th>Material:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
</tr>
<tr>
<td>from (m):      to Size:</td>
</tr>
<tr>
<td>from (m):      to Size:</td>
</tr>
</tbody>
</table>

### Open Hole:

| from (m):      |

### Pump:

<table>
<thead>
<tr>
<th>Model:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intake (m):</td>
</tr>
</tbody>
</table>

### Testing:

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time (minute):</td>
</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
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### Electric Log:

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<tr>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>Storativity:</td>
</tr>
<tr>
<td>No</td>
<td>Aquifer Test:</td>
</tr>
<tr>
<td>Yes</td>
<td>Database: 1.000H</td>
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</table>

### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- Type of Work: *Structure Test Hole*
- Drilling Method: *Unknown*
- Well Use: *Industrial*
- Completed Depth: 243.8 m
  - NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
  - Depth (m):
  - OD (mm):
- Seal Type:
  - from (m): to

**Liner:**
- Type:
  - OD (mm):
  - Top (m):
- Perforated How:
  - from (m): to
  - Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m): to
  - Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Alkalinity
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silicon
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate&Nitrite N
- Total Hardness
- Bicarbonate
- Calcium
- Magnesium
- Sodium
- TDS
- Chloride
- Fluoride
- Iron
- TOC
- Silicon
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate&Nitrite N

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Database:**
- Electric Log: Yes
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number 01266**
- Well Owner: *Royalite Oil Ltd*
- Elevation (AMSL) (m): 715
- AEP: 280384
- Licence No.: 280384
- Date Started: 80,660.68
- Northing: 5,927,130.19
- Date Completed: 24 Mar 51

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 263.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):**
  - **to:**

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
  - Intake (m):

**Testing:**
- **Rate (lpm):**
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec’d intake (m):
  - Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
  - COD: Mercury
- **Cond. (µS/cm):**
  - SAR: Nickel
- **TDS:**
  - TKN: Selenium
- **Sodium:**
  - Nitrate: Strontium
- **Potassium:**
  - Nitrite: Molybdenum
- **Calcium:**
  - TN: Vanadium
- **Magnesium:**
  - TC: Zinc
- **Carbonate:**
  - DIC: Hydroxide
- **Bicarbonate:**
  - Arsenic: Total Hardness
- **Aluminum:**
  - Barium: Manganese
- **Sulphate:**
  - Beryllium: Phosphate
- **Chloride:**
  - Cadmium: Ion Balance
- **Fluoride:**
  - Chromium: Amm. Nitrogen
- **Iron:**
  - Cobalt: Total Phosphate
- **TOC:**
  - Copper: Total Alkalinity
- **Silica:**
  - Lead: Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

<table>
<thead>
<tr>
<th>Electric Log: Yes</th>
<th>Transmissivity: m²/day</th>
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</thead>
<tbody>
<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
<td></td>
</tr>
<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

Database: 1.000H
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 266.4 m
- **NPWL (m):** 82
- **Verified NPWL (m):** 264795718
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Lithologic Description:
(No Lithologic Information Available)

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:**
- **Well Field Verified:** No

### Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 242.3 m (m)  
  - NPWL (m): Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Phosphate:**
- **Lead:**
- **Nitrate & Nitrite:**
- **TOC:**
- **Phosphate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Phosphate:**
- **Lead:**
- **Nitrate & Nitrite:**
- **TOC:**
- **Phosphate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

## Electric Log:
- **Yes**
- **Transmissivity:** m³/day

## Gamma Log:
- **No**
- **Storativity:**

## Aquifer Test:
- **No**

## Project:
- **Database:** 1.000H

## AEP Data:
- **Yes**
- **Well Field Verified:** No

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**printed on 2/20/98**
**Well Number:** 01270  
**Well Owner:** Can Gulf Oil Co Hole #5w

**General:**
- **Type of Work:** Core Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Investigation  
- **Completed Depth:** 256.3 (m)  
- **NPWL:** 82,309.11  
- **Verified NPWL:** 5,925,956.13  
- **Date Started:** 27 Jun 52

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  

**Screen:**
- **Material:**  
- **OD (mm):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  

**Open Hole:**  
- **from (m):** to  

**Pump:**  
- **Model:**  
- **Intake (m):**  

**Testing:**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  
- **DIC:** Hydroxide  
- **Carbonate:** Bicarbonate  
- **Arsenic:** Total Hardness  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27  
- Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number 01271

Well Owner: **Royalite Oil Co**

Drilling Contractor: **Unknown Driller**

Elevation (AMSL) (m): **717**

AEP: **280496**

Licence No.: **82,909.28**

Date Started: **05 Apr 51**

Date Completed: **05 Apr 51**

Easting: **5,926,569.35**

**Well Number: 22-052-26 W4M**

**Well Use: Industrial**

**Type of Work: Structure Test Hole**

**Drilling Method:**

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<thead>
<tr>
<th>Type</th>
<th>Well Use</th>
<th>Easting</th>
<th>Northing</th>
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<th>Licence No.</th>
<th>Well Owner</th>
<th>AEP</th>
<th>Date Completed</th>
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<tr>
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<td>82,909.28</td>
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**Completed Depth:**

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<th>NPWL (m)</th>
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**Abandonment:**

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**Casing:**

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<th>OD (mm): Thickness (mm):</th>
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**Well Use:**

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**Drilling Method:**

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<th>Thickness (mm):</th>
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**Perforated How:**

<table>
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<th>from (m): to</th>
<th>Size:</th>
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**Liner:**

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<th>Type</th>
<th>OD (mm): Thickness (mm):</th>
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**Perforated How:**

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<th>from (m): to</th>
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**Screen:**

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<tr>
<th>Material</th>
<th>OD (mm): Thickness (mm):</th>
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**Perforated How:**

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<th>from (m): to</th>
<th>Size:</th>
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**Open Hole:**

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**Pump:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Intake (m):</th>
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**Testing:**

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<th>Rate (lpm): Time (minute):</th>
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<td></td>
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<table>
<thead>
<tr>
<th>Level End (m): Drawdown (m):</th>
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<table>
<thead>
<tr>
<th>Rec’d intake (m): Rec’d Rate (lpm):</th>
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<tr>
<td></td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
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<td></td>
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<table>
<thead>
<tr>
<th>Cond. (µS/cm)</th>
<th>SAR</th>
<th>Nickel</th>
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<tbody>
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<table>
<thead>
<tr>
<th>TDS</th>
<th>KTN</th>
<th>Selenium</th>
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<table>
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<tr>
<th>Sodium</th>
<th>Nitrate</th>
<th>Strontium</th>
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<table>
<thead>
<tr>
<th>Potassium</th>
<th>Nitrite</th>
<th>Molybdenum</th>
</tr>
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<tbody>
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<td></td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Calcium</th>
<th>TN</th>
<th>Vanadium</th>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:**

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**Gamma Log:**

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**Aquifer Test:**

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**AEP Data:**

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<th>Yes</th>
<th>Well Field Verified:</th>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on: 2/20/98
### General:
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 244.4 m
- **NPWL (m):** Verified NPWL (m): Abandonment:

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (μS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite

**Chemical Constituents are in mg/l (ppm), Except as noted.**

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Well Number 01272**
- **Well Owner:** Royalite Oil Co
- **Elevation (AMSL) (m):** 717
- **AEP:** 280478
- **Licence No.:**
- **Date Started:**
- **Date Completed:** 05 Apr 51
- **Easting:** 82,909.28
- **Northing:** 5,926,569.35
- **Printed on:** 2/20/98
**SE 22-052-26 W4M**

**Well Number: 01273**

**Well Owner:** Diversified Prod Sys  
**Drilling Contractor:** Marwayne Water Well Drilling Services Ltd

**Elevation (AMSL) (m):** 715  
**AEP:** 242332  
**Licence No.:** Easting: 82,277.72  
**Date Started:** 13 Sep 94  
**Northing:** 5,926,318.50  
**Date Completed:** 13 Sep 94

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<tbody>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 01274  
**Well Owner:** Can Gulf Oil Co Hole #25  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 712  
**AEP: 264798**  
**Date Started:** 20 Sep 50

### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 245.1 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Silicate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Testing:
- **Electric Log:** Yes
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **TOC:**
- **Copper:**
- **Lead:**
- **Amm. Nitrogen:**
- **Cadmium:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Selenium:**
- **Vanadium:**
- **Iron:**
- **Aluminum:**
- **Manganese:**
- **Chromium:**
- **Nickel:**
- **Sulphate:**
- **Total Alkalinity:**
- **Nitrite:**
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- **Strontium:**
- **Molybdenum:**
- **Total Phosphate:**
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- **Peroxides:**
- **Chloride:**
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- **Magnesium:**
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- **Nickel:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Aluminum:**
- **Chromium:**
- **Nickel:**
- **Total Hardness:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number:** 01275  

**Well Owner:** Can Gulf Oil Co Hole #26  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 708  
**AEP:** 264797  
**Licence No.:** Easting: 84,746.02  
**Date Started:** Northing: 5,926,402.13  
**Date Completed:** 21 Sep 50

### General:
- **Type of Work:** Core Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Investigation  
- **Completed Depth:** 260.0 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - **from (m):** to  

### Liner:
- **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
- **Perforated How:**  
  - **from (m):** to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  

### Screen:
- **Material:**  
  - **OD (mm):**  
  - **from (m):** to Size:  
  - **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):**  
  - **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

### Electric Log:
- **Transmissivity:** m²/day  

### Gamma Log:
- **Storativity:**  

### Aquifer Test:
- **Project:** Database: 1.000H  
- **AEP Data:** Yes Well Field Verified: No  

**Remarks:**  
Water Well Positioned by Mow-Tech in 10TM NAD 27  

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Can Gulf Oil Co Hole #35

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<td>Perforated How:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Screen:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material:</td>
</tr>
<tr>
<td>OD (mm):</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Open Hole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m): to</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Intake (m):</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Testing:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate (lpm):</td>
</tr>
<tr>
<td>Time (minute):</td>
</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Laboratory:</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit): COD</td>
</tr>
<tr>
<td>Cond. (µS/cm): SAR</td>
</tr>
<tr>
<td>TDS</td>
</tr>
<tr>
<td>Sodium</td>
</tr>
<tr>
<td>Potassium</td>
</tr>
<tr>
<td>Calcium</td>
</tr>
<tr>
<td>Magnesium</td>
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<tr>
<td>Carbonate</td>
</tr>
<tr>
<td>Bicarbonate</td>
</tr>
<tr>
<td>Aluminium</td>
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<tr>
<td>Sulphate</td>
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<tr>
<td>Chloride</td>
</tr>
<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electric Log: Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmissivity: ( m^2/\text{day} )</td>
</tr>
<tr>
<td>Gamma Log: No</td>
</tr>
<tr>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
</tr>
<tr>
<td>Project: Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data: Yes</td>
</tr>
<tr>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**

- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 255.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

<table>
<thead>
<tr>
<th>Casing Type</th>
<th>Depth (m): Bottom (m):</th>
<th>OD (mm): Thickness (mm):</th>
<th>Seal Type</th>
<th>from (m): to</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liner Type</th>
<th>OD (mm): Thickness (mm):</th>
<th>Top (m): Bottom (m):</th>
<th>Perforated How</th>
<th>from (m): to</th>
<th>Size:</th>
<th>from (m): to</th>
<th>Size:</th>
<th>from (m): to</th>
<th>Size:</th>
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<tbody>
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</tr>
</tbody>
</table>

**Screen:**

<table>
<thead>
<tr>
<th>Material</th>
<th>OD (mm):</th>
<th>from (m): to</th>
<th>Size:</th>
<th>from (m): to</th>
<th>Size:</th>
<th>from (m): to</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Open Hole:**

<table>
<thead>
<tr>
<th>from (m): to</th>
</tr>
</thead>
</table>

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Well Number:** 01277

- **Well Owner:** Can Gulf Oil Co Hole #36
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 709
- **AEP:** 264800
- **Licence No.:** Easting: 85,137.92
- **Date Started:** Northing: 5,927,211.72
- **Date Completed:** 10 Oct 50

**Depth Elevation (BGL) (AMSL)**

| Lithologic Description |
|------------------------|------------------|
| (No Lithologic Information Available) |

**Electric Log:** Yes

- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.00H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

(printed on 2/20/98)
### General:
- **Type of Work:** Structure Test Hole
- **Well Use:** Industrial
- **Completed Depth:** 228.6 (m)
- **NPWL (m):** 228.6 (m)
- **Elevation (AMSL) (m):** 83,937.92
- **Date Started:** 16 Apr 51
- **Date Completed:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to

### Open Hole:
- **Model:**
- **Intake (m):**

### Pump:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Testing:
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Aquifer Test:** No
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:

- **Well Owner:** Royalite Oil Co
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 717
- **AEP:** 280390
- **Licence No.:** Easting: 83,916.82
- **Date Started:** Northing: 5,927,190.01
- **Date Completed:**

#### Structure Test Hole

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>Industrial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Use</td>
<td>Industrial</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>237.7 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>Verified NPWL (m):</td>
</tr>
<tr>
<td>Abandonment</td>
<td></td>
</tr>
</tbody>
</table>

#### Casing:

- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- **Seal Type:**
  - from (m): to

#### Liner:

- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to
  - from (m): to
  - from (m): to

#### Screen:

- **Material:**
  - OD (mm):
  - from (m): to
  - from (m): to
  - from (m): to

#### Open Hole:

- from (m): to

#### Pump:

- **Model:**
- **Intake (m):**

#### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

#### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
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<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
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<td>Barium</td>
<td>Manganese</td>
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<td>Phosphate</td>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

#### Electric Log: Yes  Transmissivity: m²/day
#### Gamma Log: No  Storativity: 
#### Aquifer Test: No  Project: Database: 1.000H
#### AEP Data: Yes  Well Field Verified: No

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 237.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** Yes
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27
07-23-052-26 W4M

Well Number: 01281

Well Owner: Royalite Oil Co
Drilling Contractor: Unknown Driller

Elevation (AMSL (m)): 708
Licence No.: 280394
Date Started: 22 Apr 51
Date Completed: 22 Apr 51
Easting: 84,746.02
Northing: 5,926,402.13

<table>
<thead>
<tr>
<th>Well Use</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial</td>
<td>(No Lithologic Information Available)</td>
</tr>
</tbody>
</table>

### General
- **Type of Work**: Structure Test Hole
- **Well Use**: Industrial
- **Completed Depth**: 256.0 (m)
- **NPWL (m)**: Verified NPWL (m)
- **Abandonment**: 

### Casing
- **Type**: 
- **Depth (m)**: Bottom (m)
- **OD (mm)**: Thickness (mm)
- **Seal Type**: from (m) to 

### Liner
- **Type**: 
- **OD (mm)**: Thickness (mm)
- **Top (m)**: Bottom (m)
- **Perforated How**: from (m) to Size:
- **from (m) to Size:
- **from (m) to Size:

### Screen
- **Material**: 
- **OD (mm)**: from (m) to Size:
- **from (m) to Size:
- **from (m) to Size:

### Open Hole
- **from (m): to *

### Pump
- **Model**: Intake (m):

### Testing
- **Rate (lpm)**: Time (minute):
- **Level End (m)**: Drawdown (m):
- **Rec'd intake (m)**: Rec'd Rate (lpm):

### Laboratory
- **pH (pH unit)**: COD Mercury
- **Cond. (µS/cm)**: SAR Nickel
- **TDS**: TKN Selenium
- **Sodium**: Nitrate Strontium
- **Potassium**: Nitrite Molybdenum
- **Calcium**: TN Vanadium
- **Magnesium**: TC Zinc
- **Carbonate**: DIC Hydroxide
- **Bicarbonate**: Arsenic Total Hardness
- **Aluminium**: Barium Manganese
- **Sulphate**: Beryllium Phosphate
- **Chloride**: Cadmium Ion Balance
- **Fluoride**: Chromium Amm. Nitrogen
- **Iron**: Cobalt Total Phosphate
- **TOC**: Copper Total Alkalinity
- **Silica**: Lead Nitrate&Nitrite N

### Remarks
- Water Well Positioned by Mow-Tech in 10TM NAD 27

### Electric Log
- **Transmissivity (m²/day)**:
- **Gamma Log (Storativity)**:
- **Aquifer Test (NS)**:
- **Project (1.000H)**:
- **AEP Data (Yes)**: Well Field Verified (No)
### General:
- **Type of Work:** Structure Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 256.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Transmissivity:**
- **Storativity:**

### Electric Log:
- **m²/day**

### Aquifer Test:
- **Database:**
- **AEP Data:**
- **Well Field Verified:**

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 38.1 m
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 9.1 to 12.2

### Liner:
- **Type:** Plastic
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 36.6 to 38.1
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):** 30.5
- **Drawdown (m):** 22.9
- **Rec'd intake (m):** 30.5
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sulfate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

**Depth Elevation**

<table>
<thead>
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<th>(m)</th>
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<td>18.3</td>
<td>689.6</td>
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<td>24.4</td>
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<tr>
<td>37.5</td>
<td>670.4</td>
<td>Sand Coarse Grained</td>
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</tbody>
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**Casing:**
- Type: Plastic
- Depth (m): 36.0
- Bottom (m): 36.0
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): to 18.3

**Liner:**
- Type: St
- OD (mm): 1.5
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 1.5
- from (m): 36.0 to 37.5
- Size: 0.01
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): 36.6

**Testing:**
- Rate (lpm): 114.0
- Time (minute): 120.0
- Level End (m): 31.7
- Drawdown (m): 13.4
- Rec'd intake (m): Rec'd Rate (lpm): 73.0

**Laboratory:**

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<tr>
<td>Strontium</td>
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<td>Bicarbonate</td>
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<td>TOC</td>
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<tr>
<td>DIC</td>
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<tr>
<td>Hydroxide</td>
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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Electric Log: No
- Transmissivity: m³/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 23-052-26 W4M**  

**Well Number:** 01285  

**Well Owner:** *Enoch Band*  
Drilling Contractor: *Summer's Drilling Ltd.*

<table>
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<th>Elevation (AMSL) (m):</th>
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<th>AEP: 150693</th>
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<td>Licence No.:</td>
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<td>Date Started:</td>
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<td>Northing: 5,926,361.00</td>
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<tr>
<td>Date Completed:</td>
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**General:**
- **Type of Work:** *New Well*  
- **Drilling Method:** *Bored*  
- **Well Use:** *Domestic*  
- **Completed Depth:** 21.9 (m)  
- **NPWL (m):** 6.7  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** *Galvanized Steel*  
- **Depth (m):** 21.9  
- **Bottom (m):** 21.9  
- **OD (mm):** 609.6  
- **Thickness (mm):** 0.2  
- **Seal Type:** *Puddled Clay*  
- **from (m):** 3.7  
- **to:**  

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** *Machine*  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**
- **Material:** *St*  
- **OD (mm):** 7.3  
- **from (m):** 17.1  
- **to:** 17.7  
- **Size:** 0.02  
- **Open Hole:** from (m): to  

**Pump:**
- **Model:**  
- **Intake (m):** 16.8  

**Testing:**
- **Rate (lpm):** 16.0  
- **Time (minute):** 840.0  
- **Level End (m):** 10.4  
- **Drawdown (m):** 3.7  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 13.7  

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):** SAR  
- **Nickel:**  
- **TDS:** TKN  
- **Selenium:**  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Magnesium:** TN  
- **Vanadium:**  
- **Calcium:** TC  
- **Zinc:**  
- **Magnesium:** DIC  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  

**Remarks:**
- *Chemical Constituents are in mg/l (ppm). Except as noted.*

**Electric Log:** *No*  
**Transmissivity:** m²/day  
**Gamma Log:** *No*  
**Storativity:**  
**Aquifer Test:** *No*  
**Project:** Database: 1.000H  
**AEP Data:** *Yes*  
**Well Field Verified:** *No*

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**Well Number:** 01286  
**Well Owner:** Royalite Oil Co  
**Elevation (AMSL) (m):** 708  
**AEP:** 280391  
**Licence No.:** Easting: 85,545.29  
**Date Started:** Northing: 5,927,219.04  
**Date Completed:**

### General:
- **Type of Work:** Structure Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Industrial  
- **Completed Depth:** 234.7 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

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<td><strong>Type:</strong></td>
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<td><strong>Depth (m):</strong> Bottom (m):</td>
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<td><strong>OD (mm):</strong> Thickness (mm):</td>
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<td><strong>Seal Type:</strong> from (m): to</td>
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<td><strong>Perforated How:</strong> from (m): to Size:</td>
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<td><strong>from (m): to Size:</strong></td>
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<th>Pump:</th>
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<td><strong>Intake (m):</strong></td>
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<td><strong>Time (minute):</strong></td>
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<td><strong>Level End (m):</strong> Drawdown (m):</td>
</tr>
<tr>
<td><strong>Rec'd intake (m):</strong> Rec'd Rate (lpm):</td>
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</tbody>
</table>

### Laboratory:
- pH (pH unit)  
- Cond. (µS/cm)  
- TDS  
- Sodium  
- Potassium  
- Calcium  
- Magnesium  
- Carbonate  
- Bicarbonate  
- Barium  
- Sulphate  
- Chloride  
- Fluoride  
- Iron  
- TOC  
- Silicon  
- COD  
- SAR  
- TKN  
- Nitrate  
- Strontium  
- Selenium  
- Nitrite  
- Molybdenum  
- Vanadium  
- Zinc  
- Hydroxide  
- Total Hardness  
- Manganese  
- Beryllium  
- Phosphate  
- Cadmium  
- Chromium  
- Cobalt  
- Copper  
- Lead  
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation

<table>
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<tr>
<th>Lithologic Description</th>
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<tr>
<td><strong>(No Lithologic Information Available)</strong></td>
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### Electric Log: Yes  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

*printed on 2/20/98*
Well Number: 01287

Well Owner: Royalite Co
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 708
Licence No.: Easting: 85,545.29
Date Started: Northing: 5,927,219.04
Date Completed:

General:
Type of Work: Structure Test Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth: 234.7 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
 Sulphate: Beryllium Phosphate
 Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation

- **Completed Depth:** 243.5 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- **Seal Type:**
  - from (m): to

#### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to
  - Size:
  - from (m): to
  - Size:

#### Screen:
- **Material:**
  - OD (mm):
    - from (m): to
    - Size:
    - from (m): to
    - Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
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<tr>
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<td>Total Hardness</td>
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<tr>
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<tr>
<td>Nickel</td>
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### Electric Log:
- Yes
- Transmissivity: m³/day

### Gamma Log:
- No
- Storativity: m³/day

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### AEP Data:
- Yes
- Well Field Verified: No

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number:** 13-26-052-26 W4M

**Well Owner:** Can Gulf Oil Co Hole #22

**Elevation (AMSL) (m):** 711

**AEP:** 264810

**Drilling Contractor:** Unknown Driller

**Date Started:** 16 Sep 50

**Licence No.:** Easting: 82,886.98

**Northing:** 5,928,813.11

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**
- **Well Owner:** Can Gulf Oil Co Hole #8
- **Drilling Contractor:** Unknown Driller
- **Well Number:** 01293
- **Elevation (AMSL) (m):** 711
- **AEP:** 264807
- **Licence No.:** Easting: 83,886.98
- **Date Started:** Northing: 5,928,813.11
- **Date Completed:** 29 Aug 50

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<td>Rec’d Rate (lpm):</td>
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<td>Ionic Balance</td>
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<td>COD</td>
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| Electric Log: Yes | Transmissivity: m³/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: | Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on 2/20/98*
General:
Type of Work: Core Hole
Drilling Method: Rotary
Well Use: Investigation
Completed Depth: 265.2 m
NPWL (m): Verified NPWL (m):
Abandonment:
Casing:
Type: Depth (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to
Liner:
Type: OD (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to
from (m): to
from (m): to
Screen:
Material:
OD (mm):
from (m): to
from (m): to
from (m): to
Open Hole:
from (m): to
Pump:
Model:
Intake (m):
Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminium: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description

(No Lithologic Information Available)

Electric Log: Yes Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
NE 26-052-26 W4M
Well Owner: Fraser, Phil
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 01295
Elevation (AMSL) (m): 712
Licence No.: Easting: 84,897.61
Date Started: 16 Sep 93
Northing: 5,928,985.00
Date Completed: 16 Sep 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 39.0 (m)
NPWL (m): 13.7 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 32.9 Bottom (m): 32.9
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 32.9

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 32.9 to 34.4 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 31.9 Time (minute): 420.0
Level End (m): 21.3 Drawdown (m): 7.6
Rec'd intake (m): 21.3 Rec'd Rate (lpm): 31.9

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphor
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
Well Number: 01296

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Stock
- Completed Depth: 40.2 m
- NPWL (m): 12.2
- Abandonment:
  - Type: Plastic
  - Depth (m): 35.0
  - Bottom (m): 35.0
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Driven & Formation P
- from (m): to 35.0

**Casing:**
- Type: Plastic
- OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Liner:**
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 1.2
- from (m): to 36.6 Size: 0.01
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):
- Rate (lpm): 45.6
- Time (minute): 420.0
- Level End (m): 21.3
- Drawdown (m): 9.1
- Rec'd intake (m): 21.3
- Rec'd Rate (lpm): 45.6

**Laboratory:**
- pH (pH unit) COD Mercury
- SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) Lithologic Description**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>14.6</td>
<td>695.4</td>
<td>Clay Sandy Yellow</td>
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<td>16.8</td>
<td>693.2</td>
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<td>25.9</td>
<td>684.1</td>
<td>Clay Yellow</td>
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<td>27.7</td>
<td>682.3</td>
<td>Clay Blue</td>
</tr>
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<td>37.5</td>
<td>672.5</td>
<td>Sand &amp; Coal</td>
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<td>39.0</td>
<td>671.0</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>40.2</td>
<td>669.8</td>
<td>Shale Sandy Gray</td>
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</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Well Number:** 01297
- **Well Owner:** Can Gulf Oil Co Hole #6
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 714
- **Licence No.:** 264809
- **Easting:** 82,283.64
- **Northing:** 5,928,362.12
- **Date Started:** 26 Aug 50
- **Date Completed:**

#### Completion Details
- **Completed Depth (m):** 250.5
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

#### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

#### Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Printed on 2/20/98**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 40.8 (m)
- **NPWL (m):** 17.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 16.8

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 7.5
- **from (m):** 36.6 to 38.1
- **Size:** 0.01
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 38.1

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Arsenic
- **Aluminium:** Total Hardness
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:** Phosphate
- **Cobalt:** Iron Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead
- **Open Hole:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Transmissivity:** m³/day
- **Storativity:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number:** NW 27-052-26 W4M
**Well Owner:** Wild, Raymond
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 715
**AEP:** 256717
**Licence No.:**
**Date Started:** 16 Nov 94
**Easting:** 82,116.92
**Northing:** 5,926,679.50
**Date Completed:** 16 Nov 94

**Depth**

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<td>713.1</td>
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<td>13.4</td>
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<td>16.5</td>
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<tr>
<td>27.7</td>
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<tr>
<td>40.8</td>
<td>674.1</td>
<td>Clay Blue</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth (m):** 40.2
- **NPWL (m):** 18.3
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 36.3
- **Bottom (m):** 36.3
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 36.3
- **to:** 37.8
- **Size:** 0.02
- **Thickness (mm):**
- **Bottom (m):**
- **Top (m):**

#### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 7.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Merkury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description

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<td>25.9</td>
<td>688.3</td>
<td>Clay Yellow</td>
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<tr>
<td>38.4</td>
<td>675.8</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>40.2</td>
<td>674.0</td>
<td>Clay Blue</td>
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### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:

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<td>Drilling Contractor: Unknown Driller</td>
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<td>Elevation (AMSL) (m): 714</td>
</tr>
<tr>
<td>AEP: 264811</td>
</tr>
<tr>
<td>Licence No.:</td>
</tr>
<tr>
<td>Date Started:</td>
</tr>
<tr>
<td>Easting: 81,075.38</td>
</tr>
<tr>
<td>Northing: 5,927,557.71</td>
</tr>
<tr>
<td>Date Completed: 26 Dec 50</td>
</tr>
<tr>
<td>Enter Department:</td>
</tr>
<tr>
<td>Water Well Positioned by Mow-Tech in 10TM NAD 27</td>
</tr>
</tbody>
</table>

### Depth and Elevation

<table>
<thead>
<tr>
<th>(BGL)</th>
<th>(AMSL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1634.6</td>
<td>81,075.38</td>
</tr>
<tr>
<td>Verified NPWL (m):</td>
<td></td>
</tr>
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</table>

### Lithologic Description

(No Lithologic Information Available)

### Casing:

<table>
<thead>
<tr>
<th>Type:</th>
<th>Depth (m):</th>
<th>Bottom (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Seal Type:</td>
<td>from (m): to</td>
<td></td>
</tr>
</tbody>
</table>

### Liner:

<table>
<thead>
<tr>
<th>Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
</tr>
<tr>
<td>Thickness (mm):</td>
</tr>
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</table>

### Screen:

<table>
<thead>
<tr>
<th>Material:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
</tr>
<tr>
<td>from (m): to</td>
</tr>
</tbody>
</table>

### Open Hole:

| from (m): to |

### Pump:

<table>
<thead>
<tr>
<th>Model:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intake (m):</td>
</tr>
</tbody>
</table>

### Testing:

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time (minute):</td>
</tr>
<tr>
<td>Level End (m):</td>
</tr>
<tr>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS:</td>
<td></td>
</tr>
<tr>
<td>Sodium:</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium:</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium:</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium:</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate:</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate:</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminium:</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate:</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride:</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride:</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron:</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica:</td>
<td>Lead</td>
</tr>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

<table>
<thead>
<tr>
<th>Electric Log: Yes</th>
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</thead>
<tbody>
<tr>
<td>Transmissivity: m²/day</td>
</tr>
<tr>
<td>Gamma Log: No</td>
</tr>
<tr>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
</tr>
<tr>
<td>Project: Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data: Yes</td>
</tr>
<tr>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**

- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 286.5 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
  - Depth (m):
  - Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
  - from (m): to

**Liner:**

- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
  - Time (minute):
- **Level End (m):**
  - Drawdown (m):
- **Rec'd intake (m):**
  - Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):**
  - COD: Mercury
- **Cond. (µS/cm):**
  - SAR: Nickel
- **TDS:**
  - TKN: Selenium
- **Sodium:**
  - Nitrate: Strontium
- **Potassium:**
  - Nitrite: Molybdenum
- **Calcium:**
  - TN: Vanadium
- **Magnesium:**
  - TC: Zinc
- **Carbonate:**
  - DIC: Hydroxide
- **Bicarbonate:**
  - Arsenic: Total Hardness
- **Aluminium:**
  - Barium: Manganese
- **Sulphate:**
  - Beryllium: Phosphate
- **Chloride:**
  - Cadmium: Ion Balance
- **Fluoride:**
  - Chromium: Amm. Nitrogen
- **Iron:**
  - Cobalt: Total Phosphate
- **TOC:**
  - Copper: Total Alkalinity
- **Silica:**
  - Lead: Nitrate&Nitrite N

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Database:**

- **Project:**
  - **Database:** 1.000H

**Electric Log:** Yes
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquiifer Test:** No
**Electric Log:** Yes
**AEP Data:** Yes
**Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number 01302**

**Well Owner:** Royalite Oil Co  
**Elevation (AMSL) (m):** 712  
**AEP:** 280385  
**Date Started:**  
**Easting:** 80,653.67  
**Date Completed:**  
**Northing:** 5,927,534.01  
**Licence No.:** Easting:

<table>
<thead>
<tr>
<th>Well Owner</th>
<th>Elevation (AMSL) (m)</th>
<th>AEP</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>Easting</th>
<th>Northing</th>
<th>Licence No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royalite Oil Co</td>
<td>712</td>
<td>280385</td>
<td>80,653.67</td>
<td>5,927,534.01</td>
<td>Easting</td>
<td>Northing</td>
<td>Licence No.</td>
</tr>
</tbody>
</table>

### General:

- **Type of Work:** Structure Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Industrial  
- **Completed Depth:** 243.8 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casings:

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to  

### Liner:

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:

- **Material:**  
- **OD (mm):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:

- **from (m):** to  

### Pump:

- **Model:**  
- **Intake (m):**  

### Testing:

- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

### Laboratory:

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<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
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<td></td>
</tr>
<tr>
<td>TDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbonate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bicarbonate</td>
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</tr>
<tr>
<td>Aluminium</td>
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<td></td>
</tr>
<tr>
<td>Sulphate</td>
<td></td>
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<tr>
<td>Chloride</td>
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<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
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</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electric Log:

- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Aquifer Test:** No  
- **Storativity:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**04-28-052-26 W4M**

**Well Number:** 01303

**Well Owner:** Royalite Oil Co

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 712

**Licence No.:**

**Date Started:**

**Easting:** 80,653.67

**Northing:** 5,927,534.01

**Date Completed:**

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> Structure Test Hole</td>
<td><strong>(BGL) (AMSL)</strong></td>
<td><strong>(m)</strong></td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
<td><strong>Lithologic Description</strong></td>
<td>(Non Lithologic Information Available)</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Industrial</td>
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<td></td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 243.8 (m)</td>
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<td></td>
</tr>
<tr>
<td><strong>NPWL (m):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**

- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
    - from (m): to

**Liner:**

- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):

**Perforated How:**

- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**

- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
  - Time (minute):
- **Level End (m):**
  - Drawdown (m):
- **Rec'd intake (m):**
  - Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Selenium:**
- **Potassium:**
- **Sulphate:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **TN:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Peroxide:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** Yes

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

printed on 2/20/98
Well Owner: Alta Spruce Ind
Drilling Contractor: Marwayne Water Well Drilling Services Lt

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>Lithologic Description</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td>(m) (m)</td>
</tr>
<tr>
<td>Completed Depth 36.9 (m)</td>
<td>8.5 702.5 Clay Silty Brown</td>
</tr>
<tr>
<td>NPWL (m): 11.9</td>
<td>29.3 681.8 Clay Silty Gray</td>
</tr>
<tr>
<td></td>
<td>30.8 680.3 Sand Fine Grained</td>
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<tr>
<td></td>
<td>35.0 676.0 Clay Silty</td>
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<tr>
<td></td>
<td>36.9 674.2 Shale Brown</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
<tr>
<td>Casting:</td>
<td></td>
</tr>
<tr>
<td>Type: Plastic</td>
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<tr>
<td>Depth (m): 31.7</td>
<td>Bottom (m): 31.7</td>
</tr>
<tr>
<td>OD (mm): 152.4</td>
<td>Thickness (mm): 0.2</td>
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<tr>
<td>Seal Type: Bentonite Chips/Table</td>
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<tr>
<td>from (m): 27.4 to 29.3</td>
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<tr>
<td>Liner:</td>
<td></td>
</tr>
<tr>
<td>Type: Plastic</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Screen:</td>
<td></td>
</tr>
<tr>
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</tr>
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<td>OD (mm): 1.2</td>
<td></td>
</tr>
<tr>
<td>from (m): 31.7 to 33.2</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Pump: Sub</td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td>Intake (m): 30.8</td>
</tr>
<tr>
<td>Testing:</td>
<td></td>
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<tr>
<td>Rate (lpm): 27.4</td>
<td>Time (minute): 120.0</td>
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<td>Level End (m): 17.7</td>
<td>Drawdown (m): 5.8</td>
</tr>
<tr>
<td>Rec'd intake (m): 31.1</td>
<td>Rec'd Rate (lpm): 27.4</td>
</tr>
</tbody>
</table>

Laboratory:

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Iron Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silicon Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 31.4 m
- **NPWL (m):** 15.2
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 29.9
- **Bottom (m):** 29.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 6.1
- **to:** 28.0

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 29.9
- **to:** 31.4
- **Size:** 0.01
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** 7g05422
- **Intake (m):** 24.4

### Testing:
- **Rate (lpm):** 104.9
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 9.1
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **COD:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Amm. Nitrogen:**
- **Phosphate:**
- **Sulfate:**
- **Phosphorus:**
- **Cadmium:**
- **Acid:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Database:**
- **AEP Data:**
- **Project:**
- **Lead:**
- **Nitrate:**
- **Silica:**
- **Sulphate:**
- **Barium:**
- **Phosphate:**
- **Bromide:**
- **Magnesium:**
- **Chloride:**
- **Vanadium:**
- **Nickel:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Zinc:**
- **Perchlorate:**
- **Carbon:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Silica:**
- **Sulphate:**
- **Barium:**
- **Phosphate:**
- **Bromide:**
- **Magnesium:**
- **Chloride:**
- **Vanadium:**
- **Nickel:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Zinc:**
- **Perchlorate:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number 01305**

**Well Owner:** Avoncraft Farms

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 711

**Licence No.:** 187334

**Date Started:** 09 Nov 92

**Easting:** 80,454.70

**Northing:** 5,928,129.00

**Date Completed:** 09 Nov 92

---

**Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** *New Well*
- **Drilling Method:** *Rotary*
- **Well Use:** *Domestic*
- **Completed Depth:** 36.9 (m)
- **NPWL (m):** 13.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** *Plastic*
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** *Bentonite Chips/Tabl*
- **from (m):** 3.1
- **to:** 7.6

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 35.0
- **to:** 36.6
- **Size:** 0.01

**Open Hole:**
- **from (m):** to

**Pump:** *Sub*
- **Model:** *Gould*
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 182.4
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 16.8
- **Rec'd Rate (lpm):** 91.2
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Nitrite:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** *No*
- **Transmissivity:** m²/day
- **Gamma Log:** *No*
- **Storativity:**
- **Aquifer Test:** *No*
- **Project:**
- **Database:** 1.000H
- **AEP Data:** *Yes*
- **Well Field Verified:** *No*

Water Well Positioned by PFRA in 10TM NAD 27
## General

- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 50.3 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

## Casing

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

## Liner

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

## Screen

- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

## Open Hole

- **from (m):** to  

## Pump

- **Model:**  
- **Intake (m):**  

## Testing

- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

## Laboratory

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<tr>
<td>CH4</td>
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<td>HC3L</td>
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</table>
| Chemical Constituents are in mg/l (ppm). Except as noted.  

## Electric Log

- **Transmissivity:** m²/day  

## Gamma Log

- **Storativity:**  

## Aquifer Test

- **Project:** Database: 1.000H  

## AEP Data

- **Database:** Yes  
- **Well Field Verified:** No  

### Remarks

Water Well Positioned by PFRA in 10TM NAD 27
**NE 29-052-26 W4M**

Well Owner: **Dorn, Lou**

Drilling Contractor: **Summers, David Drilling**

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<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>(m)</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td></td>
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<tr>
<td>Well Use: <strong>Domestic &amp; Stock</strong></td>
<td></td>
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<tr>
<td>Completed Depth: <strong>38.1</strong> (m)</td>
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<tr>
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<td>Abandonment:</td>
<td></td>
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<tr>
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<td></td>
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<td>Bottom (m):</td>
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<td>Perforated How:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<td>to</td>
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<td>from (m):</td>
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<td>Cond. (µS/cm):</td>
<td>SAR</td>
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<tr>
<td>TDS:</td>
<td>TKN</td>
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<td>Carbonate:</td>
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<td>Beryllium</td>
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<td>Chromium</td>
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<td>Iron:</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
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<td>Silica:</td>
<td>Lead</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Electric Log:</td>
<td>No</td>
</tr>
<tr>
<td>Gamma Log:</td>
<td>No</td>
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<tr>
<td>Aquifer Test:</td>
<td>No</td>
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<td>Project:</td>
<td>Database: <strong>1.000H</strong></td>
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<tr>
<td>AEP Data:</td>
<td>Yes</td>
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printed on 2/20/98
NW 29-052-26 W4M

Well Owner: Lockwood, Mr. F.R.
Drilling Contractor: Unknown Driller

Well Number: 01309
Elevation (AMSL) (m): 712
AEP: 163030

Licence No.: Domestic
Date Started: 76,903.88
Date Completed: 5,926,746.50

General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth: 61.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminum:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD
SAR
TKN
Nitrate
Nitrite
TN
TC
DIC
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead

Mercury
Nickel
Strontium
Molybdenum
Vanadium
Zinc
Hydroxide
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate
Nitrile

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Gamma Log: No
Aquifer Test: No
AEP Data: Yes

Transmissivity: m³/day
Storativity:
Database: 1.000H
Well Field Verified: No
**NW 29-052-26 W4M**

**Well Owner:** Maron, Marshall  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
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<tr>
<th>General:</th>
<th>Depth Elevation</th>
</tr>
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</table>
| Type of Work: **New Well**  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 36.6 (m)  
NPWL (m): 12.2  
Verified NPWL (m):  
Abandonment:  |
| Lithologic Description  |
| (m) | (m) |  |
| 12.2 | 699.9 | Clay Yellow  |
| 23.5 | 688.6 | Clay Blue  |
| 35.0 | 677.1 | Sand & Coal  |
| 36.0 | 676.1 | Clay & Rocks Blue  |
| 36.6 | 875.5 | Shale Green  |

<table>
<thead>
<tr>
<th>Casting:</th>
<th></th>
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</thead>
</table>
| Type: **Plastic**  
Depth (m): 33.2  
OD (mm): 141.2  
Seal Type: from (m): to  
Thickness (mm): 0.1  |

<table>
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<tr>
<th>Liner:</th>
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| Type:  
OD (mm):  
Top (m):  
Perforated How: from (m): to Size:  
from (m): to Size:  
from (m): to Size:  |

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<thead>
<tr>
<th>Screen:</th>
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| Material: St  
OD (mm): 1.2  
from (m): 33.2 to 34.8  
Size: 0.02  |

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<td>from (m): to</td>
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<th>Pump:</th>
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| Model:  
Intake (m):  |

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| Rate (lpm): 63.9  
Time (minute): 420.0  
Level End (m): 13.7  
Drawdown (m): 1.5  
Rec'd intake (m):  |

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<td>pH (pH unit):</td>
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Cond. (µS/cm):  |  
TDS:  |  
Sodium:  
Nitrate:  
Strontium:  
Barium:  
Bromide:  
Potassium:  
Nitrates:  
Selenium:  
Chloride:  
Cadmium:  
Fluoride:  
Chromium:  
Iron:  
Total Phosphate:  
TOC:  
Silica:  
Lead:  
Nickel:  
Sulphate:  
Beryllium:  
Phosphate:  
Calcium:  
Magnesium:  
Nitrate:  
Vanadium:  
Total Hardness:  
Bicarbonate:  
Arsenic:  
Aluminum:  
Barium:  
Manganese:  
Sulphate:  
Beryllium:  
Phosphate:  
Chloride:  
Cadium:  
Fluoride:  
Chromium:  
Iron:  
Total Phosphate:  
TOC:  
Silica:  
Lead:  
Nitrate & Nitrite N:  
|  |
| COD | Mercury  |
| SAR | Nickel  |
| TKN | Selenium  |
| Nitrate | Strontium  |
| Nitrite | Molybdenum  |
| TN | Vanadium  |
| TC | Zinc  |
| DIC | Hydroxide  |
| Arsenic | Total Hardness  |
| Barium | Manganese  |
| Beryllium | Phosphate  |
| Cadium | Iron Balance  |
| Chromium | Amm. Nitrogen  |
| Cobalt | Total Phosphate  |
| Copper | Total Alkalinity  |
| Lead | Nitrate & Nitrite N  |

| Electric Log: No  
Gamma Log: No  
Aquifer Test: No  
AEP Data: Yes  
Database: 1.000H  |

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  
Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 29-052-26 W4M**

**Well Number:** 01311

**Well Owner:** Secord, R.Y.

**Drilling Contractor:** Coralta Dril

**Elevation (AMSL) (m):** 712

**Licence No.:** Easting: 79,888.40

**Date Started:** 01 Oct 75

**Easting:** Northing: 5,926,040.00

**Date Completed:** 01 Oct 75

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.0 (m)
  - **NPWL (m):** 15.1
  - **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 34.4 (Bottom (m): 34.4)
- **OD (mm):** 104.7
- **Thickness (mm):**
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to
- **Size:** from (m): to
- **Size:** from (m): to

**Screen:**

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 34.4 to 36.0
- **Size:** 0.02
- **from (m):** to
- **Size:**

**Open Hole:**

- from (m): to

**Pump:** Sub

- **Model:** Crane Deming
- **Intake (m):** 31.1

**Testing:**

- **Rate (lpm):** 13.7
- **Time (minute):** 60.0
- **Level End (m):** 14.9
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**

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<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

---

*Printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 m
- **NPWL (m):** 11.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to
  - Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.1
- **from (m):** 35.0 to 36.6
- **Size:** 0.01

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):** 34.1

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 420.0
- **Level End (m):** 12.5
- **Drawdown (m):** 0.6
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**NE 30-052-26 W4M**

**Well Owner:** Brent, Bill

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 708  
**AEP:** 150974

**Date Started:** 13 Mar 90  
**Date Completed:** 13 Mar 90

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<td><strong>(m)</strong></td>
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<td><strong>Size:</strong></td>
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<td><strong>from (m):</strong> to</td>
<td><strong>(m)</strong></td>
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<td><strong>Intake (m):</strong></td>
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**Laboratory:**

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<td>Strontium</td>
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<td>Vanadium</td>
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<td>Magnesium</td>
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<td>Carbonate</td>
<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
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<tr>
<td>Silica</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: Chemistry
- Well Use: Domestic
- Drilling Method: Not Applicable

**Casing:**
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm): from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silicon: Lead Nitrate&Nitrite N

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**
(No Lithologic Information Available)
**NE 30-052-26 W4M**

**Well Owner:** Vandewerff, Joanne/Pete

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 711

**AEP:** 278942

**Licence No.:** Easting: 78,133.43

**Date Started:** 22 Nov 95

**Northing:** 5,926,798.50

**Date Completed:** 22 Nov 95

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<td>38.4</td>
<td>672.1</td>
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<tr>
<td>39.6</td>
<td>670.9</td>
<td>Shale Gray</td>
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</table>

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 (m)
- **NPWL (m):** 13.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 34.1
- **Bottom (m):** 34.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 22.9

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:

- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 34.1 to 35.7
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):** 34.1

### Testing:

- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):** 16.5
- **Drawdown (m):** 3.4
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Cadmium:**
- **Cadmium:**
- **Copper:**
- **Lead:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 31.4 (m)
- **NPWL (m):** 7.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 29.9
- **Bottom (m):** 29.9
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Hole Plug
- **from (m):** to 24.4

**Liner:**
- **Type:** St
- **OD (mm):** 1.2
- **from (m):** to 29.9
- **Thickness (mm):**
- **Bottom (m):** 31.4
- **Size:** 0.01

**Screen:**
- **Material:** St
- **OD (mm):**
- **from (m):** to 29.9
- **Thickness (mm):**
- **Bottom (m):** 31.4
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 27.4

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 480.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 27.4

**Laboratory:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 31-052-26 W4M**

**Well Number:** 01317

**Well Owner:** Reynolds, Bill

**Elevation (AMSL) (m):** 706

**Drilling Contractor:** Unknown Driller

**Licence No.:** Easting: 77,936.36

**Date Started:** Northing: 5,930,627.00

**Date Completed:**

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<td>Well Use: Domestic</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
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<td>Screen: Material:</td>
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<td>OD (mm):</td>
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<td>from (m): to</td>
<td>Size:</td>
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<td>from (m): to</td>
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<td>from (m): to</td>
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<td>Level End (m): Drawdown (m):</td>
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<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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**Laboratory:** 25 Aug 69

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS 826.0 | TKN | Selenium |
| Sodium Nitrate | Strontium |
| Potassium Nitrite 0.11 | Molybdenum |
| Calcium TN | Vanadium |
| Magnesium TC | Zinc |
| Carbonate DIC | Hydroxide |
| Bicarbonate Arsenic | Total Hardness 486.00 |
| Aluminium Barium | Manganese |
| Sulphate 181.07 | Beryllium | Phosphate |
| Chloride 2.13 | Cadmium | Ion Balance |
| Fluoride 0.28 | Chromium | Amm. Nitrogen |
| Iron 19.35 | Cobalt | Total Phosphate |
| TOC Copper | Total Alkalinity 619.0 |
| Silica Lead | Nitrate & Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**AEP Data:** Yes Well Field Verified: No
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<td><strong>Liner:</strong></td>
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<td><strong>Rec'd Rate (lpm):</strong> 13.7</td>
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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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### Lithologic Description

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<td>6.1</td>
<td>697.2</td>
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<td>25.9</td>
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<td>27.1</td>
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<td>29.3</td>
<td>674.0</td>
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**Laboratory:**

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<td>Lead</td>
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**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27
**SH 31-052-26 W4M**

**Well Owner:** Woodhouse, Don  
**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 711  
**AEP:** 280685  
**Licence No.:** 77,894.65  
**Date Started:** 26 Oct 95  
**Northing:** 5,929,327.00  
**Date Completed:** 26 Oct 95

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<td>707.6 Clay Silty Brown</td>
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<td>678.9 Silt Blue</td>
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<td>AEP Data: Yes</td>
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Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01320

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 83.5 (m)
- **NPWL (m):** 22.3
- **Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 45.4
- **Bottom (m):** 45.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Formation Seal
- **from (m):** to 45.4

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 43.9
- **Bottom (m):** 82.6

**Perforated How:** Saw
- **from (m):** to 82.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** SS4c02ti-02
- **Model:**
- **Intake (m):** 64.0

**Testing:**
- **Rate (lpm):** 6.8
- **Time (minute):** 120.0
- **Level End (m):** 57.9
- **Drawdown (m):** 35.7
- **Rec'd intake (m):** 64.0
- **Rec'd Rate (lpm):** 4.6

**Laboratory:**

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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 01321  
**Well Owner:** Haarsma, Garry  
**Drilling Contractor:** Coralta Drll

**Elevation (AMSL) (m):** 713  
**AEP:** 155204  
**Licence No.:** Easting: 78,779.26  
**Date Started:** Northing: 5,929,384.00  
**Date Completed:** 29 Apr 64

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

#### Completed Depth
- **NPWL (m):** 7.6  
- **Verified NPWL (m):**

#### Abandonment:
- **Type:** Steel
- **Depth (m):** 25.6  
- **Bottom (m):** 25.6  
- **OD (mm):** 114.3  
- **Thickness (mm):**

#### Seal Type:
- **Driven from (m):** to 25.6

#### Liner:
- **Type:**
- **OD (mm):** 76.2  
- **Thickness (mm):**

#### Perforated How:
- **Bottom (m):** 30.8

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** Drawdown (m):

#### Testing:
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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| Stron... | No | 50.0 | 1.000H | Yes | Well Field Verified: No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number 01322

Well Owner: Wild, John R
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 713
Licence No.: AEP: 272586
Date Started: Easting: 78,779.26
Date Completed: Northing: 5,929,396.00

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth (m): 33.5
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory: 07 Sep 65
pH (pH unit):
Cond. (µS/cm):
TDS 744.0
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminium
Sulphate 185.88
Chloride
Fluoride
Iron 4.90
TOC
Silica

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m) Lithologic Description

(No Lithologic Information Available)
**General:**

- **Type of Work:** Coal Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Other
- **Completed Depth:** 274.3 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:**

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd intake (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Nitrate:**
- **Molybdenum:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

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**Printed on 2/20/98**
Well Number: **01324**

**Well Owner:** Can Gulf Oil Co Hole #14  
**Elevation (AMSL) (m):** 715  
**AEP:** 264817  
**Drilling Contractor:** Unknown Driller  
**Date Started:**  
**Easting:** 82,852.09  
**Date Completed:**  
**Northing:** 5,929,799.89

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<th>Lithologic Description</th>
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<td>(BGL) (AMSL)</td>
<td>(m) (m)</td>
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<td>Drilling Method: Rotary</td>
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<td>Completed Depth 250.8 (m)</td>
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<tr>
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<tr>
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<td>Zinc</td>
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<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td>Electric Log: Yes</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
Well Number: 01325

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<th>Depth Elevation</th>
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<tr>
<td>Casing:</td>
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</tr>
<tr>
<td>Type:</td>
<td></td>
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<tr>
<td>Depth (m): Bottom (m):</td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<td>Seal Type: from (m): to</td>
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<td>Liner:</td>
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<td>Type:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to</td>
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<td>Model: Intake (m):</td>
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<td>Rate (lpm): Time (minute):</td>
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<td>Level End (m): Drawdown (m):</td>
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<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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| Laboratory: | Electric Log: Yes |
| ph (pH unit) | Transmissivity: m³/day |
| Cond. (µS/cm) | Gamma Log: No |
| COD | Storativity: | |
| SAR | | |
| Nickel | | |
| TDS | | |
| TKN | | |
| Selenium | | |
| Sodium | | |
| Nitrate | | |
| Strontium | | |
| Potassium | | |
| Nitrite | | |
| Molybdenum | | |
| Calcium | | |
| TN | | |
| Vanadium | | |
| Magnesium | | |
| TC | | |
| Zinc | | |
| Carbonate | | |
| DIC | | |
| Hydroxide | | |
| Bicarbonate | | |
| Arsenic | | |
| Total Hardness | | |
| Aluminum | | |
| Barium | | |
| Manganese | | |
| Sulphate | | |
| Beryllium | | |
| Phosphate | | |
| Chloride | | |
| Cadmium | | |
| Ion Balance | | |
| Fluoride | | |
| Chromium | | |
| Amm. Nitrogen | | |
| Iron | | |
| Cobalt | | |
| Total Phosphate | | |
| TOC | | |
| Copper | | |
| Total Alkalinity | | |
| Silicon | | |
| Lead | | |
| Nitrate&Nitrite N | | |
| DIC | | |
| Hydroxide | | |
| Calcium | | |
| Magnesium | | |
| Zinc | | |
| Total Hardness | | |
| Bicarbonate | | |
| Arsenic | | |
| Total Hardness | | |
| Aluminum | | |
| Barium | | |
| Manganese | | |
| Sulphate | | |
| Beryllium | | |
| Phosphate | | |
| Chloride | | |
| Cadmium | | |
| Ion Balance | | |
| Fluoride | | |
| Chromium | | |
| Amm. Nitrogen | | |
| Iron | | |
| Cobalt | | |
| Total Phosphate | | |
| TOC | | |
| Copper | | |
| Total Alkalinity | | |
| Silicon | | |
| Lead | | |
| Nitrate&Nitrite N | | |
| Chemical Constituents are in mg/l (ppm). Except as noted. | | |

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

Printed on: 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 105.5 m
- **NPWL (m):** 33.2
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 36.6
  - **Bottom (m):** 36.6
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 61.0
  - to 105.5
- **Liner:**
  - **Type:**
    - **OD (mm):** 114.3
    - **Thickness (mm):** 0.1
  - **Top (m):** 35.0
  - **Bottom (m):** 105.5
- **Perforated How:** Saw
  - from (m): 61.0
  - to 105.5
  - Size:
  - from (m): to 35.0
  - to 105.5
  - Size:
- **Screen:**
  - **Material:**
    - **OD (mm):**
    - **Thickness (mm):**
  - **from (m):**
  - to 35.0
  - **from (m):**
  - to 105.5
  - **Open Hole:** from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):** 105.5
  - **Testing:**
    - **Rate (lpm):** 6.8
    - **Time (minute):** 120.0
    - **Level End (m):** 91.4
    - **Drawdown (m):** 58.2
    - **Rec'd Rate (lpm):** 91.4
    - **Rec'd intake (m):** 4.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Nitrates:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

Elevation (AMSL) (m): 713
License No.: W255720
Date Started: 12 Oct 94
Nortthing: 82,438.69
Date Completed: 19 Oct 94
Elevation (AMSL) (m): 5,930,194.00
**NW 34-052-26 W4M**

Well Owner: **Wild, Mrs. John**  
Drilling Contractor: **Unknown Driller**

**Well Number 01327**  
Elevation (AMSL) (m): **712**  
Licence No.: **AEP:**  
Date Started:  
Date Completed:  
Easting: **82,298.63**  
Northing: **5,930,716.00**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 80.2 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

#### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to

#### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

#### Screen:
- **Material:**  
- **OD (mm):** from (m): to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Intake (m):  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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### Lithologic Description

*(No Lithologic Information Available)*

### Depth Elevation

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<th>(AMSL) (m)</th>
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### Testing:

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### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

**21 Sep 65**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Printed on 2/20/98**
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m): ____________
  - Verified NPWL (m): ____________
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):**
  - **Bottom (m):**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Seal Type:** from (m): to
  - **Elevation (m):**
  - **Depth (m):**
  - **Bottom (m):**
- **Liner:**
  - **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
  - **Perforated How:** from (m): to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Thickness (mm):**
  - **Size:**
  - **from (m):** to
  - **Thickness (mm):**
  - **Size:**
  - **from (m):** to
  - **Thickness (mm):**
  - **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** KTN
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminium:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate & Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**TOC:** Copper
**Total Alkalinity:**
**Silica:** Lead
**Nitrate & Nitrite:**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Database:** Project: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Elevation (AMSL) (m):** 715
**AEP:** 156710
**Licence No.:** Easting: 83,138.14
**Date Started:** Northing: 5,929,631.50
**Date Completed:**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
- Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 23.5 m
- **NPWL (m):** 5.5
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 17.7
- **Bottom (m):** 17.7
- **OD (mm):** 57.2
- **Thickness (mm):** 0.1
- **Seal Type:** Benseal
- **from (m):** 12.2 to 15.2

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
  - to
  - Size:
- **from (m):**
  - to
  - Size:
- **from (m):**
  - to
  - Size:

## Screen:
- **Material:** PI
- **OD (mm):** 0.7
- **from (m):** 20.1 to 23.5
- **Size:** 0.01
- **from (m):**
  - to
  - Size:
- **from (m):**
  - to
  - Size:

## Open Hole:
- **from (m):**
  - to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d Intake (m):**
- **Rec’d Rate (lpm):**

## Laboratory:

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**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

## Depth Elevation

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<th>AMSL (m)</th>
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</thead>
<tbody>
<tr>
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## Lithologic Description

(No Lithologic Information Available)

## Electric Log:
- Transmissivity: m²/day
- Gamma Log: No
- Storativity: No
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

*Water Well Positioned by PFRA in 10TM NAD 27*

**Well Number 01329**  
**Elevation (AMSL) (m):** 715  
**AEP:** 164150  
**Licence No.:** Easting: 83,138.14 Northing: 5,929,631.50  
**Date Started:** 18 Mar 92
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<td>(m)</td>
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<td>Silt Soft Brown</td>
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<td>Well Use: Unknown</td>
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<td>Completed Depth: 36.6</td>
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<td>26.8</td>
<td>Sand &amp; Silt</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td>29.9</td>
<td>Sand &amp; Gravel</td>
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<tr>
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<td>to</td>
<td>Sand &amp; Gravel</td>
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</tr>
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<tr>
<td>from (m):</td>
<td></td>
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</tr>
<tr>
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Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 244.4 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**
- **Date Started:** 08 Sep 50

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

#### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Electric Log:** Yes
- **Gamma Log:** No
- **Aquifer Test:** No
- **Project:** 1.000H
- **Database:** Yes
- **Well Field Verified:** No
- **Transmissivity:** m²/day
- **Storativity:**
- **Rec’d Rate:** lpm
- **Intake:** m
- **Model:**
- **Time:** minute
- **Level End:** m
- **Drawdown:** m
- **Rec’d Intake:** m
- **Rec’d Rate:** lpm
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 30.5 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

**Liner:**
- **Type:**
  - OD (mm):
  - Top (m): Bottom (m):
  - Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number: 01332**
- **Well Owner:** Fournel, Mike
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 716
- **AEP:** 167575
- **Easting:** 83,884.47
- **Northing:** 5,929,709.50

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

(No Lithologic Information Available)
**NE 01-052-27 W4M**

**Well Number: 01336**

**Well Owner:** Moisan, Don  
**Drilling Contractor:** Rodco Drilling

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<tbody>
<tr>
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<td>Licence No.:</td>
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<td>Date Started:</td>
<td>26 Oct 92</td>
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<td>Date Completed:</td>
<td>28 Oct 92</td>
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</table>

**Completed Depth:** 46.9 (m)  
**NPWL (m):** 4.6  
**Verified NPWL (m):**

**Type of Work:** New Well  
**Well Use:** Domestic  
**Drilling Method:** Rotary  
**Well Use:** Domestic

**Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 33.5  
  **Bottom (m):** 33.5
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** Driven  
  **from (m):** to 33.5

**Liner:**

- **Type:**
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1  
  **Top (m):** 30.5  
  **Bottom (m):** 46.9
- **Perforated How:** Machine  
  **from (m):** 37.8  
  **to:** 46.9  
  **Size:**
- **from (m):**  
  **to:**  
  **Size:**
- **from (m):**  
  **to:**  
  **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
  **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**

**Open Hole:**

- **from (m):** to

**Pump:** Sub

- **Model:** Duro 500st  
  **Intake (m):** 30.5

**Testing:**

- **Rate (lpm):** 22.8  
  **Time (minute):** 240.0
- **Level End (m):** 28.0  
  **Drawdown (m):** 23.5
- **Rec'd intake (m):** 30.5  
  **Rec'd Rate (lpm):** 22.8

**Laboratory:**

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<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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</tr>
<tr>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
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</tr>
<tr>
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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H  
**AEP Data:** Well Field Verified: No

**Transmissivity:** m³/day  
**Storativity:**

**Aquifer Test:** No

**Electric Log:** No  
**Gamma Log:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 10.1
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m): 39.6
  - **OD (mm):** Thickness (mm): 127.0
  - **Seal Type:** Bentonite Chips/Tabl

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m): 54.9
- **OD (mm):** Thickness (mm): 54.9
- **Perforated How:** Machine
  - **from (m):** to 42.7
  - **from (m):** to 54.9
  - **from (m):** to Size:

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm): 0.1
- **Top (m):** Bottom (m): 54.9
- **Perforated How:** Machine
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to Size:

**Pump:**
- **Model:** 5dd5t
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 4.6
- **Time (minute):** 1440.0
- **Level End (m):** 21.3
- **Drawdown (m):** 11.3
- **Rec'd Rate (lpm):** 50.3
- **Rec'd intake (m):** 4.6

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Iron:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Chromium:**
- **Cobalt:**
- **Nickel:**
- **Boron:**
- **Silica:**
- **Iron:**
- **Chloride:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Barium:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 01-052-27 W4M**

Well Owner: *Wigston, Robin*

Drilling Contractor: *D&D Water Well Drilling & Services*

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 84.7 (m)
- **NPWL (m):** 11.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 31.7
- **Bottom (m):** 31.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 30.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 84.7
- **Perforated How:** Saw
- **from (m):** to 82.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 82.3

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 480.0
- **Level End (m):** 54.9
- **Drawdown (m):** 43.0
- **Rec'd intake (m):** 64.0
- **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **COND (µS/cm):**
- **TDS:**
- **SODIUM:**
- **NITRATE:**
- **POTASSIUM:**
- **CALCIUM:**
- **MAGNESIUM:**
- **CARBONATE:**
- **BICARBONATE:**
- **ALUMINUM:**
- **BARIUM:**
- **SULPHATE:**
- **BERYLLIUM:**
- **CHLORIDE:**
- **FLUORIDE:**
- **IRON:**
- **TOC:**
- **SILICA:**
- **COD:**
- **SAR:**
- **TKN:**
- **NITRITE:**
- **MOLYBDENUM:**
- **MANGANESE:**
- **PHOSPHATE:**
- **CADMIUM:**
- **CU:**
- **Cadmium:**
- **Arsenic:**
- **Total Hardness:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrates & Nitrites:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project: Database:** 1.000H
- **AEP Data: Yes**
- **Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 42.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Unknown

### Casing:

- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type: from (m): to

### Liner:

- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Screen:

- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:

- from (m): to

### Pump:

- **Model:** Intake (m):

### Testing:

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
<td>TKNpH</td>
</tr>
<tr>
<td>Sodium</td>
<td>NitratepH</td>
</tr>
<tr>
<td>Potassium</td>
<td>NitritepH</td>
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<tr>
<td>Calcium</td>
<td>TNpH</td>
</tr>
<tr>
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<td>TCpH</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Aluminium</td>
<td>BariumpH</td>
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<tr>
<td>Sulphate</td>
<td>BerylliumpH</td>
</tr>
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<td>CadmiumpH</td>
</tr>
<tr>
<td>Fluoride</td>
<td>ChromiumpH</td>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
<td>CopperpH</td>
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<tr>
<td>Silicon</td>
<td>LeadpH</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01340

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<td>from (m):</td>
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<td>Seal Type:</td>
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<tr>
<td>from (m):</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silica</td>
</tr>
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</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |
| Electric Log: Yes | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: | Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks: Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
### General

- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation

<table>
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<th>Completed Depth</th>
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<th>NPWL (m):</th>
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- **Date Started:** 16 May 52
- **Date Completed:** 16 May 52

### Casing

- **Type:**  
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
  - from (m): to

### Liner

- **Type:**  
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):  
  - Perforated How:
  - from (m): to Size:

### Screen

- **Material:**  
  - OD (mm): from (m): to Size:
  - from (m): to Size:

### Open Hole

- **from (m): to**

### Pump

- **Model:** Intake (m):

### Testing

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory

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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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### Electric Log

- **Transmissivity:** m²/day
- **Storativity:**

### Aquifer Test

- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks

- Water Well Positioned by Mow-Tech in 10TM NAD 27

- Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 299.3 m
- **NPWL (m):** Verified NPWL (m): 0
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- Yes
- Transmissivity: m²/day

### Gamma Log:
- No
- Storativity:

### Aquifer Test:
- No
- Project: Database: 1.000H

### AEP Data:
- Yes
- Well Field Verified: No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number 01342**

**Well Owner:** Can Gulf Oil Co Hole #8

**Elevation (AMSL) (m):** 710

**AEP:** 264828

**Licence No.:**

**Date Started:**

**Drilling Contractor:** Unknown Driller

**Date Completed:** 16 May 52

**Easting:** 73,443.49

**Northing:** 5,920,946.86

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number 01343**

**Well Owner:** Can Gulf Oil Co Hole #9  
**Elevation (AMSL) (m):** 708  
**AEP:** 264865  
**Drilling Contractor:** Unknown Driller  
**Licence No.:**  
**Date Started:**  
**Northing:** 5,920,949.84  
**Date Completed:** 17 May 52  
**Easting:** 72,611.11  

**General:**
- **Type of Work:** Core Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Investigation  
- **Completed Depth:** 300.8 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  

**Screen:**
- **Material:**  
- **OD (mm):**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TKN:** Strontium  
- **Nitrate:** Molybdenum  
- **TC:** Vanadium  
- **DIC:** Zinc  
- **Arsenic:** Hydroxide  
- **Barium:** Manganese  
- **Beryllium:** Phosphate  
- **Cadmium:** Ion Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Lead:** Nitrate&Nitrite  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**Depth Elevation**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(BGL) (AMSL)</th>
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<tbody>
<tr>
<td>(No Lithologic Information Available)</td>
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**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  
**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**printed on 2/20/98**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
  - NPWL (m): 5.5
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 45.1
  - **Bottom (m):** 45.1
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 43.0 to 45.1

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
    - **Thickness (mm):** 0.1
  - **Top (m):** 42.7
    - **Bottom (m):** 61.0
- **Perforated How:** Saw
  - from (m): 45.7 to 61.0
    - Size:
  - from (m): to
    - Size:
  - from (m): to
    - Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - from (m): to
    - Size:
  - from (m): to
    - Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Gould 7g05
- **Intake (m):** 44.2

**Testing:**
- **Rate (lpm):** 22.8
  - **Time (minute):** 180.0
- **Level End (m):** 44.2
  - **Drawdown (m):** 38.7
- **Rec'd Rate (lpm):** 44.2
  - **Rec'd intake (m):** 18.2

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulfate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrites:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 38.4
- **Bottom (m):** 38.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 38.4
- **to:**

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 36.6
- **Bottom (m):** 79.2
- **Perforated How:** Saw
- **from (m):** 67.1
- **to:** 79.2
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Sub**
- **Model:**
- **Intake (m):** 64.0
- **Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 79.2
- **Drawdown (m):** 71.6
- **Rec’d intake (m):** 64.0
- **Rec’d Rate (lpm):** 13.7

### Laboratory:

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<tr>
<td>Nitrate &amp; Nitrite N</td>
<td>0.5</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 03-052-27 W4M**

**Well Owner:** Heidemann, Rudolph

**Drilling Contractor:** Big Iron Drilling Ltd.

### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
  - **NPWL (m):** 15.2
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 48.8
  - **Bottom (m):** 48.8
- **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 47.2
  - **Bottom (m):** 82.3
- **Perforated How:** Torch
  - from (m): 70.1 to 76.2
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:** Sub
- **Model:** 5g07
- **Intake (m):**
- **Rate (lpm):** 22.8
  - Time (minute): 420.0
- **Level End (m):** 82.3
  - Drawdown (m): 67.1
- **Rec'd intake (m):** 73.8
  - Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 01346**

**Elevation (AMSL) (m):** 711
**AEP:** 156275
**Licence No.:** Easting: 74,091.61
**Date Started:** 15 May 91
**Northing:** 5,921,457.00
**Date Completed:** 27 May 91

### Lithologic Description

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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<tr>
<td>5.5</td>
<td>705.1</td>
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<td>24.1</td>
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<td>25.9</td>
<td>684.7</td>
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<td>33.5</td>
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<td>42.7</td>
<td>667.9</td>
<td>Clay See Comments Blue</td>
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<td>45.7</td>
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<td>46.3</td>
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<td>80.8</td>
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<td>82.3</td>
<td>628.3</td>
<td>Shale Green</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 01347

Well Owner: Trautman
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 713
Licence No.: 274978
East: 71,707.34
Northing: 5,921,048.50
Date Started: 01 Jan 32
Date Completed: 01 Jan 32

### General:
- **Type of Work:** Federal Well Survey
- **Drilling Method:** Drilled
- **Well Use:** Domestic & Stock
- **Completed Depth (m):** 140.2
- **NPWL (m):** 9.1
- **Verified NPWL (m):** 
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):**
- **OD (mm):** 76.2
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **13 Feb 80**
- **pH (pH unit):** 8.70
- **COD:** Mercury
- **Cond. (µS/cm):** 1019
- **SAR:** Nickel
- **TDS:** 599.0
- **TKN:** Selenium
- **Sodium:** 250.01
- **Nitrate:** Strontium
- **Potassium:** 0.39
- **Nitrite:** Molybdenum
- **Calcium:** 1.00
- **TN:** Vanadium
- **Magnesium:** TC
- **TC:** Zinc
- **Carbonate:** 15.00
- **DIC:** Hydroxide
- **Bicarbonate:** 655.86
- **Arsenic:** Total Hardness
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** 2.84
- **Cadmium:** Ion Balance 0.95
- **Fluoride:** 2.67
- **Chromium:** Amm. Nitrogen
- **Iron:** 0.03
- **Cobalt:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:** 564.0
- **Silica:** 8.00
- **Lead:** Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 m
- **NPWL (m):** 10.4
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 48.8
  - **Bottom (m):** 48.8
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 48.8
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 45.7
  - **Bottom (m):** 85.3
- **Perforated How:** Saw
  - from (m): 70.1 to 82.3
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - from (m): to
    - Size:
    - from (m): to
    - Size:
- **Open Hole:**
  - from (m): to
- **Pump:** Gould
  - **Model:** 5es05422
  - **Intake (m):** 67.1
- **Testing:**
  - **Rate (lpm):** 13.7
  - **Time (minute):** 420.0
  - **Level End (m):** 67.1
  - **Drawdown (m):** 56.7
  - **Rec'd Rate (lpm):** 13.7
  - **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Molybdenum:**
- **Barium:**
- **Beryllium:**
- **As:**
- **Arsenic:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Phosphate:**
- **Zinc:**
- **Total Alkalinity:**
- **TC:**
- **Magnesium:**
- **Copper:**
- **Total Hardness:**
- **DIC:**
- **Calcium:**
- **Hydroxide:**
- **Barium:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Chromium:**
- **Ion Balance:**
- **Total Phosphate:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Sulphate:**
- **Beryllium:**
- **Chromium:**
- **Ammon. Nitrogen:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Copper:**

**Depth:**
- **Elevation:**
  - (m): 714
- **BGL:**
  - (m): 70
- **Lithologic Description:**
  - (m)
  - (m)
  - **Type:**
  - **Clay Brown**
  - **Clay Silty Brown**
  - **Coal**
  - **Sandstone**
  - **Sand**
  - **Plastic**
  - **Till**
  - **Sand**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 2.4
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 22.3
  - **Bottom (m):** 22.3
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 20.1 to 22.3

## Depth Elevation

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>1.8</td>
<td>713.3</td>
<td>Clay Brown</td>
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<tr>
<td>5.5</td>
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<tr>
<td>48.8</td>
<td>666.9</td>
<td>Shale Fractured Gray</td>
</tr>
</tbody>
</table>

## Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 18.3
- **Bottom (m):** 48.8

## Perforated How:
- **Saw**
  - **from (m):** 36.6 to 48.8
  - **Size:**
- **from (m):** to 48.8
  - **Size:**
- **from (m):** to 48.8
  - **Size:**

## Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Intake (m):** 24.4

## Testing:
- **Rate (lpm):** 100.3
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 17.7
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 45.6

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrates:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrates:**

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 46.9 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 36.6
  - **Bottom (m):** 36.6
- **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 36.6
  - **to:**

### Liner:
- **Type:**
- **OD (mm):** 116.8
  - **Thickness (mm):**
- **Top (m):** 36.6
  - **Bottom (m):** 46.0
- **Perforated How:** Machine
  - **from (m):** 36.6
    - **to:** 46.0
    - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
  - **to:**
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):**
    - **to:**
    - **Size:**
  - **from (m):**
    - **to:**
    - **Size:**

### Open Hole:
- **from (m):**
  - **to:**

### Pump:
- **Model:**
  - **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
  - **Time (minute):** 420.0
- **Level End (m):** 21.3
  - **Drawdown (m):** 6.1
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Titanium:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Zinc:**
- **Molybdenum:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Phosphate:**
- **Silicon:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Total Phosphate:**
- **Amm. Nitrogen:**
- **Chloride:**

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**

### Aquifer Test:
- **Project:**
  - **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 01351  
**Well Owner:** Boggs, Greg  
**Drilling Contractor:** Rodco Drilling

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<th>General</th>
</tr>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Elevation (AMSL) (m):</strong> 712</td>
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<td><strong>Licence No.:</strong> Easting: 70,334.55</td>
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<td><strong>Date Started:</strong> 09 Aug 92</td>
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<td><strong>Date Completed:</strong> 10 Aug 92</td>
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<td><strong>Depth (m):</strong> 29.3</td>
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<td><strong>Bottom (m):</strong> 29.3</td>
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<td><strong>Seal Type:</strong> Driven</td>
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<td><strong>from (m):</strong> to 29.3</td>
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<td><strong>OD (mm):</strong> 114.3</td>
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<td><strong>Bottom (m):</strong> 44.2</td>
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<td><strong>OD (mm):</strong></td>
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<td><strong>from (m):</strong> to</td>
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<th>Open Hole:</th>
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<td><strong>from (m):</strong> to</td>
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<td><strong>Rec'd intake (m):</strong> 30.5</td>
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<td><strong>Rec'd Rate (lpm):</strong> 22.8</td>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>Carbonate:</strong></td>
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<tr>
<td><strong>Bicarbonate:</strong></td>
</tr>
<tr>
<td><strong>Aluminium:</strong></td>
</tr>
<tr>
<td><strong>Barium:</strong></td>
</tr>
<tr>
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<tr>
<td><strong>Fluoride:</strong></td>
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<td><strong>Iron:</strong></td>
</tr>
<tr>
<td><strong>TOC:</strong></td>
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<tr>
<td><strong>Silica:</strong></td>
</tr>
<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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</tbody>
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**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27
**NE 08-052-27 W4M**

**Well Owner:** Brule, A.  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 712  
**AEP:** 208808  
**Licence No.:** 70,334.55  
**Date Started:** 10 Mar 93  
**Northing:** 5,923,521.00  
**Date Completed:** 11 Mar 93

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 35.0 (m)  
- **NPWL (m):** 3.7  
- **Abandonment:**

### Casting:
- **Type:** Plastic  
- **Depth (m):** 25.9  
- **Bottom (m):** 25.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** 24.4 to 25.9

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 22.9  
- **Bottom (m):** 35.0  
- **Perforated How:** Saw  
- **from (m):** 27.4 to 33.5  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Gould 7g0542z  
- **Intake (m):** 21.3

### Testing:
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 21.3  
- **Drawdown (m):** 17.7  
- **Rec'd Rate (lpm):** 23.8  
- **Rec'd intake (m):** 31.9

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<td>Amm. Nitrogen</td>
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<td>Lead</td>
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<td>Nitrate &amp; Nitrite N</td>
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### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation**

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<tr>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Clay Brown</td>
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<tr>
<td>Clay Gray</td>
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<tr>
<td>Sand &amp; Coal</td>
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<td>Shale Green</td>
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<tr>
<td>Shale Fractured Gray</td>
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<td>Sandstone</td>
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<tr>
<td>Shale Gray</td>
</tr>
<tr>
<td>Shale Gray</td>
</tr>
<tr>
<td>Shale Green</td>
</tr>
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</table>

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1,000H  
**AEP Data:** Yes  
**Well Field Verified:** No

Printed on: 2/20/98
NE 08-052-27 W4M

Well Owner: Edgar, Lynn
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 712
AEP: 152011
Licence No.: 70,334.55
Date Started: 24 Oct 89
Date Completed: 24 Oct 89

Well Number: 01353

Well Number: 01353

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 48.8 (m)
NPWL (m): 21.3 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 27.4 Bottom (m): 27.4
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven
from (m): 27.4 to

Liner:
Type:
OD (mm): 101.6 Thickness (mm): 0.1
Top (m): 24.4 Bottom (m): 48.8

Perforated How: Other
from (m): 32.0 to 48.8 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 16.0 Time (minute): 420.0
Level End (m): 41.2 Drawdown (m): 19.8
Rec'd intake (m):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
NE 08-052-27 W4M  

Well Number: 01354

Well Owner: Eggler, Jim  
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 712  
AEP: 169281  
Licence No.:  
Date Started: 28 Jul 92  
Date Completed: 29 Aug 92  
Easting: 70,334.55  
Northing: 5,923,521.00

| General: |
| --- | --- |
| Type of Work: New Well |
| Drilling Method: Rotary |
| Well Use: Domestic |
| Completed Depth: 41.2 (m) |
| NPWL (m): 3.7 |
| Verified NPWL (m): |
| Abandonment: |

| Casting: |
| --- | --- |
| Type: Plastic |
| Depth (m): 24.4 |
| Bottom (m): 24.4 |
| OD (mm): 152.4 |
| Thickness (mm): 0.2 |
| Seal Type: Shale Trap & Bentoni |
| from (m): 21.3 to 24.4 |

| Liner: |
| --- | --- |
| Type: |
| OD (mm): 114.3 |
| Thickness (mm): 0.1 |
| Top (m): 21.3 |
| Bottom (m): 41.2 |
| Perforated How: Saw |
| from (m): 33.5 to 41.2 |
| Size: |
| from (m): to |
| Size: |
| from (m): to |
| Size: |

| Screen: |
| --- | --- |
| Material: |
| OD (mm): |
| from (m): to |
| Size: |
| from (m): to |
| Size: |

| Open Hole: |
| --- | --- |
| from (m): to |

| Pump: Berkley |
| --- | --- |
| Model: |
| Intake (m): 36.6 |

| Testing: |
| --- | --- |
| Rate (lpm): 45.6 |
| Time (minute): 120.0 |
| Level End (m): 36.6 |
| Drawdown (m): 32.9 |
| Rec'd intake (m): 30.5 |
| Rec'd Rate (lpm): 36.5 |

| Laboratory: |
| --- | --- |
| pH (pH unit): |
| Cond. (µS/cm): |
| TDS: |
| Sodium: |
| Nitrate: |
| Strontium: |
| Potassium: |
| Nitrite: |
| Molybdenum: |
| Calcium: |
| TN: |
| Vanadium: |
| Magnesium: |
| TC: |
| Zinc: |
| Carbonate: |
| DIC: |
| Hydroxide: |
| Bicarbonate: |
| Arsenic: |
| Total Hardness: |
| Aluminum: |
| Barium: |
| Manganese: |
| Sulphate: |
| Beryllium: |
| Phosphate: |
| Chloride: |
| Cadmium: |
| Ion Balance: |
| Fluoride: |
| Chromium: |
| Amm. Nitrogen: |
| Iron: |
| Cobalt: |
| Total Phosphate: |
| TOC: |
| Copper: |
| Total Alkalinity: |
| Silicon: |
| Lead: |
| Nitrate&Nitrite N: |

| Electrical Properties: |
| --- | --- |
| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

Remarks: Water Well Positioned by PFRA in 10TM NAD 27

printen on 2/20/98
NE 08-052-27 W4M

Well Owner: Glober, Donovan
Drilling Contractor: Summers, David Drilling

Well Number 01355

Elevation (AMSL) (m): 712
AEP: 238060
Licence No.: Easting: 70,334.55
Date Started: 01 Jul 93
Nortthing: 5,923,521.00
Date Completed: 01 Jul 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 50.3 (m)
NPWL (m): 3.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 44.2 Bottom (m): 44.2
OD (mm): 152.4 Thickness (mm): 0.2
Seal Type: Shale Trap & Bentonite
from (m): 44.2 to 50.3

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 39.6 Bottom (m): 50.3

Perforated How: Machine
from (m): 44.2 to 50.3 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Berkley
Intake (m): 36.6

Testing:
Rate (lpm): 54.7 Time (minute): 120.0
Level End (m): 36.6 Drawdown (m): 33.5
Rec'd Rate (lpm): 45.6

Laboratory:

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<td>TDS</td>
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<td>Beryllium</td>
<td>Phosphate</td>
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<td>Silica</td>
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<td>Nitrate &amp; Nitrite N</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98

Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
## NE 08-052-27 W4M

**Well Owner:** Greenboro Homes  
**Drilling Contractor:** Summers, David Drilling

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<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>(m)</td>
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<td><strong>Elevation (AMS L) (m):</strong></td>
<td><strong>Type:</strong></td>
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<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Elevation (BGL) (AMS L):</strong></td>
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<tr>
<td><strong>Completed Depth:</strong> 41.2 (m)</td>
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<tr>
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<td><strong>Sand Silty</strong></td>
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<td><strong>Time (minute):</strong> 120.0</td>
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<td><strong>Level End (m):</strong> 33.5</td>
<td><strong>Clay</strong></td>
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<td><strong>Drawdown (m):</strong> 30.2</td>
<td><strong>Clay</strong></td>
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<td></td>
<td><strong>Rec’d Rate (lpm):</strong> 45.6</td>
<td><strong>Clay</strong></td>
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</table>

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Technical Details:**

- **Well Number:** 01356
- **Elevation (AMS L):** 12
- **Licence No.:** Easting: 70,334.55
- **Drilling Contractor:** Northing: 5,923,521.00
- **Date Started:** 27 Oct 94
- **Drilling Contractor:** Summers, David Drilling
- **Date Completed:** 28 Oct 94
- **Well Owner:** Greenboro Homes
- **Well Use:** Domestic
- **Type of Work:** New Well
- **Drilling Method:** Rotary

---

**Chemical Analysis:**

- **pH (pH unit):** 9
- **COD:** 10
- **SAR:** 10
- **TDS:** 10
- **Sodium:** 10
- **Potassium:** 10
- **Calcium:** 10
- **Magnesium:** 10
- **Carbonate:** 10
- **Bicarbonate:** 10
- **Aluminum:** 10
- **Barium:** 10
- **Sulphate:** 10
- **Beryllium:** 10
- **Chloride:** 10
- **Fluoride:** 10
- **Iron:** 10
- **TOC:** 10
- **Silica:** 10
- **Lead:** 10
- **Nitrate:** 10
- **Nitrite:** 10
- **Selenium:** 10
- **Nitrate:** 10
- **Strontium:** 10
- **Sodium:** 10
- **Nitrite:** 10
- **Chromium:** 10
- **Iron:** 10
- **Cobalt:** 10
- **Beryllium:** 10

---

**Testing:**

- **Rate (lpm):** 73.0
- **Time (minute):** 120.0
- **Level End (m):** 33.5
- **Drawdown (m):** 30.2
- **Rec’d Rate (lpm):** 45.6

---

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
NE 08-052-27 W4M

Well Owner: Grimm, Brady
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 712
Licence No.: 198245
Date Started: 03 Dec 92
Date Completed: 07 Dec 92

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<tr>
<th>Depth</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>54.9</td>
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</table>

| Laboratory: | |
| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphat |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate|Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
NE 08-052-27 W4M

Well Owner: Harvey, Dale
Drilling Contractor: Double R Drig

Elevation (AMSL) (m): 712
AEP: 217322
Licence No.: Easting: 70,334.55
Date Started: 19 Jul 93
Norting: 5,923,521.00
Date Completed: 01 Aug 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 6.7
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 25.6
- **Bottom (m):** 25.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 24.1 to 25.6

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 21.3
- **Bottom (m):** 42.7
- **Perforated How:** Saw
- **from (m):** 36.6 to 42.7
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 42.7

#### Testing:
- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 42.7
- **Drawdown (m):** 36.0
- **Rec'd intake (m):** 33.5
- **Rec'd Rate (lpm):** 13.7

### Lithologic Description
- **Topsoil**
- **Silt Green**
- **Sandstone Soft Light Gray**
- **Shale Fractured Green**
- **Shale Greenish Gray**
- **Gray**
- **Shale Gray**
- **Shale Green**
- **Shale Trap & Bentonite**
- **Sandstone Gray**
- **Shale Green**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **TC:**
- **DIC:**
- **Beryllium:**
- **Barium:**
- **Manganese:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nickel:**
- **Selenium:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Molybdenum:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Barium:**
- **Phosphate:**
- **Total Phosphate:**
- **Amm. Nitrogen:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Molybdenum:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98

![Chemical Constituents are in mg/l (ppm). Except as noted.](chart)
NE 08-052-27 W4M

Well Owner: Matwie, Ed
Drilling Contractor: Rodco Drilling

Elevation (AMSL) (m): 712
AEP: 155654
Licence No.: Easting: 70,053.70
Date Started: 19 Oct 90
Northing: 5,923,959.50
Date Completed: 19 Oct 90

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 22.3 (m)
NPWL (m): 4.9
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 18.3
Bottom (m): 18.3
OD (mm): 127.0
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Table

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to
from (m): to
from (m): to

Screen:
Material: St
OD (mm): 0.9
from (m): 18.3 to 19.8
Size: 0.01
from (m): to

Open Hole:
from (m): to
from (m): to

Pump:
Model:
Intake (m):
Rec’d intake (m):

Testing:
Rate (lpm): 50.2
Time (minute): 120.0
Level End (m): 17.7
Drawdown (m): 12.8
Rec’d Rate (lpm): 45.6

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbontate
Bicarbonate
Aluminunm
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
Strontium
Nitraten
Molybdenum
Vanadium
Zinc
Hydroxide
Arsenic
Beryllium
Barium
Beryllium
Cadmium
Cadium
Chromium
Amm. Nitrogen
Cobalt
Copper
Manganese
Phosphorus
Ion Balance
Total Hardness
Manganese

Chemical Constituents are in mg/l (ppm). Excerpt as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Excerpt as noted.
**Well Number:** 01360

**Well Owner:** McQuade, Joe/Donna

**Drilling Contractor:** Double R Dril

**Elevation (AMSL) (m):** 712

**AEP:** 166874

**Licence No.:** 70,334.55

**Date Started:** 23 Jun 92

**Nortthing:** 5,923,521.00

**Date Completed:** 24 Jun 92

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 43.3 (m)
- **NPWL:** 6.1 (m)
- **Verified NPWL:** (m)
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 24.4
- **Bottom (m):** 24.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
- **from (m):** to 24.4

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 22.9
- **Bottom (m):** 43.3
- **Perforated How:** Saw
- **from (m):** 30.5 to 43.3
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to 30.5
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 360.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 27.4

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Owner: Michener, Vance/Leanne
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number: 01361
NE 08-052-27 W4M

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 50.3 (m)
NPWL (m): 12.2
Abandonment:

Casing:
Type: Plastic
Depth (m): 32.3
Bottom (m): 32.3
OD (mm): 152.4
Thickness (mm): 0.1

Seal Type: Formation Seal
from (m): to 32.3

Liner:
Type:
OD (mm): 127.0
Thickness (mm): 0.1
Top (m): 31.1
Bottom (m): 49.4

Perforated How: Saw
from (m): 31.1 to 49.4
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Rate (lpm): 22.8
Intake (m):

Testing:
Rate (lpm): 22.8
Time (minute): 420.0
Level End (m): 4.6
Rec'd intake (m): 19.8
Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD
SAR
TKN
Nitrate
Nitrite
Nitric
PH
Dic

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Elevation (AMSL) (m): 712
Licence No.: 712
Date Started: 09 Aug 93
Easting: 70,334.55
Date Completed: 10 Aug 93
Northing: 5,923,521.00

Depth Elevation (BGL) (AMSL) (m) Lithologic Description
0.3 711.5 Topsoil
6.1 705.7 Clay Yellow
15.2 696.6 Clay Blue
19.8 692.0 Sand & Coal
23.2 686.6 Clay & Sand Blue
29.3 682.5 Shale Green
31.7 680.1 Shale Sandy Gray
33.8 678.0 Shale Green
39.0 672.8 Shale Sandy Gray
41.5 670.4 Shale Green
48.5 663.3 Shale Sandy Gray
50.3 661.5 Shale Gray

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
  - NPWL (m): 2.4
  - Verifed NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 25.0
  - Bottom (m): 25.0
- **OD (mm):** 152.4
  - Thickness (mm): 0.1
- **Seal Type:** Driven & Shale Trap
  - from (m): to 24.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
  - Thickness (mm): 0.1
- **Top (m):** 24.1
  - Bottom (m): 61.0

### Perforated How:
- **Machine**
- **from (m):** 42.7 to 48.8
  - **Size:**
- **from (m):** 54.9 to 57.9
  - **Size:**
- **from (m):** to  Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to 

### Pump:
- **Model:**
- **Intake (m):** 51.8

### Testing:
- **Rate (lpm):** 13.7
  - **Time (minute):** 120.0
- **Level End (m):** 23.5
  - **Drawdown (m):** 21.0
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**

### Lithologic Description
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<th>Elevation (BGL) (m)</th>
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</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  **Transmissivity:** m²/day  **Gamma Log:** No  **Storativity:**  
**Aquifer Test:** No  **Total Hardness:**  
**Project:** Database: 1.000H  **AEP Data:** Yes  **Well Field Verified:** No
General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 48.8 (m)
- NPWL (m): 6.1
- Veriﬁed NPWL (m):
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 31.4
- Bottom (m): 31.4
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): 31.4
- to

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 27.4
- Bottom (m): 48.8

Perforated How: Hand Drill
- from (m): 30.5
- to 48.8
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 91.2
- Time (minute): 420.0
- Level End (m): 27.4
- Drawdown (m): 21.3
- Rec'd intake (m):
- Rec'd Rate (lpm): 45.6

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- 
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
4.9 707.1 Sand Fine Grained
10.4 701.7 Clay Soft Yellow
19.8 692.2 Sand Fine Grained Gray
21.9 690.1 Clay Soft Blue
22.9 689.2 Shale Green
24.7 687.3 Shale Fractured Green
30.2 681.9 Sand Coarse Grained Gray
32.9 679.1 Shale Green
36.6 675.5 Sandstone Coarse Grained
38.1 673.9 Shale Green
40.8 671.2 Sandstone
43.0 669.1 Shale Gray
46.0 666.0 Sandstone
48.8 663.3 Shale Green

Electric Log: No
Gamma Log: No
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 08-052-27 W4M**

**Well Owner:** Scheunemann, Gerry  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 712  
**AEP:** 152369  
**Licence No.:** Easting: 70,334.56  
**Date Started:** 14 Jul 90  
**Nothign:** 5,923,521.18  
**Date Completed:** 14 Jul 90

---

**General:**
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Rotary  
- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)  
- **NPWL (m):** 82.3  
- **Verified NPWL (m):**
- **Abandonment:** Unknown

**Casing:**
- **Type:** Steel  
- **Depth (m):** 46.9  
- **Thickness (mm):** 0.1  
- **Bottom (m):** 46.9

**Liner:**
- **Type:** Driven
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 6.8  
- **Time (minute):** 420.0  
- **Level End (m):** 85.3  
- **Drawdown (m):** 3.1  
- **Rec’d Rate (lpm):**
- **Rec’d intake (m):**

---

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
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- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:** Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**
- **(m)**
- **(m)**
- **Lithologic Description**
- 5.2 706.6 Sand Fine Grained
- 10.7 701.1 Clay Soft Yellow
- 19.8 692.0 Sand Fine Grained Gray
- 21.6 690.2 Clay Blue
- 22.9 688.9 Shale Green
- 24.7 687.1 Shale Fractured Green
- 27.4 684.4 Sandstone
- 32.0 679.8 Coal Sandy
- 35.0 676.8 Shale Green
- 39.9 671.9 Sandstone
- 41.5 670.4 Shale Fractured
- 43.3 668.5 Sandstone Water Bearing
- 49.1 662.7 Shale Gray
- 54.3 657.6 Sandstone
- 58.2 653.6 Shale Gray
- 60.0 651.8 Sandstone
- 62.8 649.0 Shale Fractured Gray
- 64.9 646.9 Sandstone Fine Grained
- 65.5 646.3 Coal
- 66.4 645.4 Shale Green
- 68.0 643.8 Sandstone
- 78.6 633.2 Shale Fractured Gray
- 82.3 629.5 Sandstone
- 85.3 626.5 Shale Green

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 08-052-27 W4M**

**Well Owner:** Smith, Jim/Florette  
**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 711  
**AEP:** 168560  
**Licence No.:** Easting: 70,056.83  
**Date Started:** 08 Sep 92  
**Northing:** 5,924,042.00  
**Date Completed:** 16 Sep 92

---

**General:**  
Type of Work: New Well  
Drilling Method: Cable Tool  
Well Use: Domestic

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**Seal Type:** Driven  
from (m): to 33.2

---

**Casing:**  
Type: Steel  
Depth (m): 33.2  
OD (mm): 141.2  
Thickness (mm): 0.1  
Seal Type: Driven  
from (m): to 33.2

**Liner:**  
Type: Torche  
OD (mm): 114.3  
Thickness (mm): 0.5  
Top (m): 32.0  
Bottom (m): 50.3

**Perforated How:** Torch  
from (m): 32.0 to 50.3

**Screen:**  
Material:  
from (m): to Size:

**Open Hole:**  
from (m): to

**Pump:** Sub  
Model: Goulds  
Intake (m): 30.5

**Testing:**  
Rate (lpm): 120.0  
Level End (m): 18.3  
Drawdown (m): 12.2  
Rec'd intake (m): 30.5  
Rec'd Rate (lpm): 45.6

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**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Electric Log:** No  
Transmissivity: m²/day

**Gamma Log:** No  
Storativity:

**Aquifer Test:** No  
Project: Database: 1.000H

**AEP Data:** Yes  
Well Field Verified: No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 34.8
- **Bottom (m):** 34.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 34.8
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 33.2
- **Bottom (m):** 54.0
- **Perforated How:** Saw
- **from (m):** to 34.8
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 38.1

**Testing:**

- **Rate (lpm):** 11.4
- **Time (minute):** 120.0
- **Level End (m):** 35.0
- **Rec'd intake (m):** 38.1
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**

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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

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**Database:** 1.000H

**Remarks:**

- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 08-052-27 W4M**

**Well Number:** 01367

**Well Owner:** Dunning, Jim

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 712

**AEP:** 153893

**Licence No.:** Easting: 70,024.73

**Date Started:** Northing: 5,924,308.50

**Date Completed:** 30 Oct 90

**Date:** 31 Oct 90

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 1.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 21.9
- **Bottom (m):** 21.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 21.9

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 19.8
- **Bottom (m):** 51.8

**Perforated How:** Other

- **from (m):** 39.6 to 51.8
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Gouds
- **Intake (m):** 36.0

**Testing:**

- **Rate (lpm):** 91.2
- **Time (minute):** 270.0
- **Level End (m):** 33.5
- **Drawdown (m):** 32.0
- **Rec’d intake (m):** 35.7
- **Rec’d Rate (lpm):** 45.6

**Laboratory:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

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**Electric Log:** No  **Transmissivity:** m²/day

**Gamma Log:** No  **Storativity:**

**Aquifer Test:** No

**Project:**  **Database:** 1.000

**AEP Data:** Yes  **Well Field Verified:** No
**NW 08-052-27 W4M**

**Well Owner:** Meads, Ed  
**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 715  
**AEP:** 169280  
**Licence No.:** Easting: 69,225.22  
**Date Started:** 23 Jul 92  
**Norting:** 5,824,014.00  
**Date Completed:** 23 Jul 92

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<th>Depth Elevation</th>
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<td></td>
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<tr>
<td><strong>Casing:</strong></td>
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<tr>
<td><strong>I Arsenic:</strong></td>
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<tr>
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<td><strong>Size:</strong></td>
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<td><strong>from (m):</strong></td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**Well Number: 01369**

**Well Owner:** Wozny, John  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 710  
**AEP:** 161656

<table>
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<th>Date Completed</th>
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**Licence No.:** Easting: 69,544.22  
**Northing:** 5,923,737.00  
**Domestic: Yes No**  
**Water Well Positioned by PFRA in 10TM NAD 27**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 64.0 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to

### Liner:
- **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to Size:  
  - **from (m): to Size:**  
  - **from (m): to Size:**

### Screen:
- **Material:**  
  - **OD (mm):** to Size:  
  - **from (m): to Size:**  
  - **from (m): to Size:**

### Open Hole:
- **from (m): to**

### Pump:
- **Model:**  
  - **Intake (m):**

### Testing:
- **Rate (lpm):**  
  - **Time (minute):**  
  - **Level End (m):** Drawdown (m):  
  - **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):**  
  - **COD:** Mercury
- **Cond. (µS/cm):**  
  - **SAR:** Nickel
- **TDS:**  
  - **TKN:** Selenium
- **Sodium:**  
  - **Nitrate:** Strontium
- **Potassium:**  
  - **Nitrite:** Molybdenum
- **Calcium:**  
  - **TC:** Vanadium
- **Magnesium:**  
  - **TC:** Zinc
- **Carbonate:**  
  - **DIC:** Hydroxide
- **Bicarbonate:**  
  - **Arsenic:** Total Hardness
- **Aluminium:**  
  - **Barium:** Manganese
- **Sulphate:**  
  - **Beryllium:** Phosphate
- **Chloride:**  
  - **Cadmium:** Ion Balance
- **Fluoride:**  
  - **Chromium:** Amm. Nitrogen
- **Iron:**  
  - **Cobalt:** Total Phosphate
- **TOC:**  
  - **Copper:** Total Alkalinity
- **Silica:**  
  - **Lead:** Nitrate & Nitrite N

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Database:** Yes  
- **Well Field Verified:** No

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

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**Printed on:** 2/20/98
### SE 08-052-27 W4M

- **Well Number:** 01370
- **Well Owner:** Adams, Eric
- **Drilling Contractor:** Cobob Pumps And Services Ltd.
- **Elevation (AMSL) (m):** 712
- **AEP:** 167365
- **Licence No.:** 70,285.83
- **Date Started:** 16 Jun 92
- **Date Completed:** 19 Jun 92
- **Easting:** 70,285.83
- **Northing:** 5,923,191.00

### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 2.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing
- **Type:** Plastic
- **Depth (m):** 25.3
- **Bottom (m):** 25.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
- **from (m):** 24.7 to 25.3

### Liner
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 18.3
- **Bottom (m):** 36.6
- **Perforated How:** Saw
- **from (m):** 24.4 to 36.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:** 7g05422
- **Intake (m):** 24.4

### Testing
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 21.6
- **Rec'd Rate (lpm):** 24.4
- **Rec'd intake (m):** 21.9

### Laboratory
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 23.8
  - **Bottom (m):** 23.8
- **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): 23.8
  - to

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.2
- **Top (m):** 22.6
  - **Bottom (m):** 42.7
- **Perforated How:** Machine
  - from (m): 32.0
    - **to 30.8**
    - **Size:**
  - from (m): 38.4
    - **to 41.8**
    - **Size:**
  - from (m): **to**

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to
    - from (m): to

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):** 37.2

### Testing:
- **Rate (lpm):** 16.0
  - **Time (minute):** 420.0
- **Level End (m):** 30.5
  - **Drawdown (m):** 27.4
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 13.7

### Laboratory:

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<td>DIC</td>
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<td>TOC</td>
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<td>Silica</td>
<td>Lead</td>
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<td>Chemical Constituents are in mg/l (ppm), Except as noted.</td>
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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
  - **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
**SE 08-052-27 W4M**

**Well Owner:** Bergenstrom, J.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 714  
**AEP:** 229719  
**Licence No.:** Easting: 70,558.54  
**Date Started:** 24 Sep 93  
**Northing:** 5,923,068.50  
**Date Completed:** 28 Sep 93

### Well Information

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<td>(m)</td>
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<td><strong>Lithologic Description</strong></td>
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<td><strong>11.0 702.9 Sand &amp; Gravel</strong></td>
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<tr>
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<td><strong>to 21.6</strong></td>
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</tr>
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<td><strong>to 36.6</strong></td>
<td><strong>Size:</strong></td>
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<td><strong>from (m):</strong> to Size:</td>
<td><strong>Size:</strong></td>
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<td><strong>Open Hole:</strong></td>
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<td><strong>from (m):</strong> to</td>
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### Laboratory Results

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 01373**

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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 25.9
- **Bottom (m):** 25.9
- **OD (mm):** 152.4
- **Thickmess (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 24.4 to 25.9

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.2
- **Top (m):** 24.4
- **Bottom (m):** 54.9

### Perforated How:
- **Saw
- **from (m):** 42.7 to 54.9
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Berkley
- **Model:**
- **Intake (m):** 36.6

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 180.0
- **Level End (m):**
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Iron:**
- **Iron:**
- **Iron:**
- **Total Nitrate:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
SE 08-052-27 W4M

Well Owner: Brygoes, Brad  
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 714  
AEP: 166872  
Licence No.: 70,464.50  
Date Started: 23 Jun 92  
Northing: 5,923,064.00  
Date Completed: 24 Jun 92

General:
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 50.3 (m)  
NPWL (m): 3.7  
Verified NPWL (m):  
Abandonment:  

Casing:
Type: Plastic  
Depth (m): 24.4  
Bottom (m): 24.4  
OD (mm): 152.4  
Thickness (mm): 0.2  
Seal Type: Shale Trap & Bentonite  
from (m): 22.9 to 24.4

Liner:
Type:  
OD (mm): 114.3  
Thickness (mm): 0.1  
Top (m): 213  
Bottom (m): 50.3  
Perforated How: Saw  
from (m): 30.5 to 50.3  
Size:  
from (m): to  
Size:  
from (m): to  
Size:

Screen:
Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:

Open Hole:
from (m): to

Pump:
Model:  
Intake (m): 36.6

Testing:
Rate (lpm): 36.5  
Time (minute): 180.0  
Level End (m): 32.9  
Rec'd intake (m): 36.6  
Rec'd Rate (lpm): 27.4

Laboratory:
pH (pH unit):  
COD: Mercury  
Cond. (µS/cm): SAR: Nickel  
TDS: TKN: Selenium  
Sodium: Nitrate: Strontium  
Potassium: Nitrite: Molybdenum  
Calcium: TN: Vanadium  
Magnesium: TC: Zinc  
Carbonate: DIC: Hydroxide  
Bicarbonate: Arsenic: Total Hardness  
Aluminum: Barium: Manganese  
Sulphate: Beryllium: Phosphate  
Chloride: Cadmium: Ion Balance  
Fluoride: Chromium: Amm. Nitrogen  
Iron: Cobalt: Total Phosphate  
TOC: Copper: Total Alkalinity  
Silica: Lead: Nitrate & Nitrite N  

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Well Number: 01375

Depth Elevation (BGL) (AMSL)  
(m)  
(m)  
Lithologic Description
6.1 708.1 Clay  
12.2 702.0 Sand  
22.9 691.3 Shale Gray  
27.4 686.8 Shale Green  
33.5 680.7 Sandstone  
47.2 666.9 Shale Gray  
50.3 663.9 Sandstone

Electric Log: No  
Transmissivity: m³/day  
Gamma Log: No  
Storativity:
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 45.7 (m)
**NPWL (m):** 4.3
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 19.8
- **Bottom (m):** 19.8

**Seal Type:** Shale Trap & Bentonite
- **from (m):** to 19.2

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 15.2
- **Bottom (m):** 45.7

**Perforated How:** Other
- **from (m):** to 44.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Goulds
- **Intake (m):** 26.8

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 180.0
- **Level End (m):** 21.3
- **Drawdown (m):** 17.1
- **Rec'd intake (m):** 26.8
- **Rec'd Rate (lpm):** 13.7

**Laboratory:**

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**Depth Elevation**

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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 713
**Licence No.:** Easting: 70,403.38
**Date Started:** 03 Jun 91
**Norting:** 5,923,112.00
**Date Completed:** 06 Jun 91

**AEP Data:**
- **Well Field Verified:** Yes
- **Database:** 1.000H
- **Project:**
- **Aquifer Test:** No
- **Gamma Log:** No
- **Transmissivity:** m³/day
- **Storativity:**
- **Electric Log:** No
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**SE 08-052-27 W4M**

Well Owner: Burant, Ken  
Drilling Contractor: Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 711  
**AEP:** 183100  
**Licence No.:** 70,298.76  
**Date Started: 31 Aug 93**  
**Date Completed: 31 Aug 93**

<table>
<thead>
<tr>
<th><strong>Type of Work:</strong> New Well</th>
<th><strong>Licence No.:</strong> Easting: 70,298.76 Northing: 5,923,298.00</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Well Use:</strong> Domestic</td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 42.7 (m)</td>
<td><strong>NPWL (m):</strong> 5.5 Verified NPWL (m):</td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td><strong>Seal Type:</strong> Plastic</td>
</tr>
<tr>
<td><strong>Type:</strong> Plastic</td>
<td><strong>Depth (m):</strong> 23.5 Bottom (m): 23.5</td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 152.4 Thickness (mm): 0.1</td>
<td><strong>Top (m):</strong> 20.7 Bottom (m): 42.7</td>
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<tr>
<td><strong>Seal Type:</strong> Shale Trap &amp; Bentonite</td>
<td><strong>Perforated How:</strong> Hand Drill</td>
</tr>
<tr>
<td><strong>from (m):</strong> 22.6 to 23.5</td>
<td><strong>from (m):</strong> 25.3 to 42.4 Size:</td>
</tr>
<tr>
<td><strong>Liner:</strong></td>
<td><strong>from (m):</strong> to Size:</td>
</tr>
<tr>
<td><strong>Type:</strong> Plastic</td>
<td><strong>from (m):</strong> to Size:</td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 114.3 Thickness (mm): 0.1</td>
<td><strong>Open Hole:</strong> from (m): to</td>
</tr>
<tr>
<td><strong>Top (m):</strong> 20.7 Bottom (m): 42.7</td>
<td><strong>Pump:</strong> Model:</td>
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<tr>
<td><strong>Perforated How:</strong> Hand Drill</td>
<td><strong>Intake (m):</strong> 42.7</td>
</tr>
<tr>
<td><strong>from (m):</strong> 25.3 to 42.4</td>
<td><strong>Testing:</strong> Rate (lpm): 36.5 Time (minute): 180.0</td>
</tr>
<tr>
<td><strong>from (m):</strong> to Size:</td>
<td><strong>Level End (m):</strong> 27.4 Drawdown (m): 21.9</td>
</tr>
<tr>
<td><strong>from (m):</strong> to Size:</td>
<td><strong>Rec'd intake (m):</strong> 27.4 Rec'd Rate (lpm): 36.5</td>
</tr>
</tbody>
</table>

**Screen:**  
**Material:**  
**OD (mm):**  
**from (m):** to Size:  
**from (m):** to Size:  

**Open Hole:**  
**from (m):** to  

**Laboratory:**  
**pH (pH unit):** COD Mercury  
**Cond. (µS/cm):** SAR Nickel  
**TDS:** TKN Selenium  
**Sodium:** Nitrate Strontium  
**Potassium:** Nitrite Molybdenum  
**Calcium:** TN Vanadium  
**Magnesium:** TC Zinc  
**Carbonate:** DIC Hydroxide  
**Bicarbonate:** Arsenic Total Hardness  
**Aluminium:** Barium Manganese  
**Sulphate:** Beryllium Phosphate  
**Chloride:** Cadmium Ion Balance  
**Fluoride:** Chromium Amm. Nitrogen  
**Iron:** Cobalt Total Phosphate  
**TOC:** Copper Total Alkalinity  
**Silica:** Lead Nitrate&Nitrite N  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 08-052-27 W4M**

**Well Owner:** Country Classic Homes  
**Drilling Contractor:** Rodco Drilling

**Well Number:** 01378  
**Elevation (AMSL) (m):** 713  
**Elevation (BGL) (m):** 700.6  
**Well Use:** Domestic  
**Licence No.:** Easting: 70,364.59  
**Date Started:** 28 Apr 92  
**Northing:** 5,923,113.00  
**Date Completed:** 29 Apr 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 36.6 m  
- **NPWL (m):** 5.2  
- **Abandonment:**  
  - **Type:** Plastic  
  - **Depth (m):** 27.4  
  - **Bottom (m):** 27.4  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
  - from (m): to 27.4

### Casing:
- **Type:** Plastic  
- **Depth (m):** 27.4  
- **Bottom (m):** 27.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Type:** Driven  
  - from (m): to 27.4

### Liner:
- **Type:** Plastic  
- **Depth (m):** 27.4  
- **Bottom (m):** 36.6  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 22.9  
- **Bottom (m):** 36.6  
- **Perforated How:** Machine  
  - from (m): to 36.6  
  - from (m): to 30.5  
  - from (m): to 36.6

### Screen:
- **Bottom (m):** 30.5  
- **Thickness (mm):** 0.1  
- **Top (m):** 22.9  
- **Thickness (mm):** 0.1  
- **Material:** Plastic  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **From (m):** to 36.6  
- **Size:**  
- **From (m):** to 30.5  
- **Size:**  
- **From (m):** to 22.9  
- **Size:**

### Open Hole:
- **Model:**  
  - **Intake (m):** 30.5

### Pump:
- **Rate (lpm):** 13.7  
- **Time (minute):** 480.0  
- **Level End (m):** 31.7  
- **Drawdown (m):** 26.5  
- **Rec'd intake (m):** 30.5  
- **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Strontium  
- **Potassium:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **Carbonate:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Aluminum:** Manganese  
- **Sulphate:** Beryllium  
- **Chloride:** Ion Balance  
- **Fluoride:** Amm. Nitrogen  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **TOC:** Total Alkalinity  
- **Silica:** Nitrate&Nitrite N  
- **Laboratory:**
- **DIC:** Hydroxide  
- **DIC:** Calcium  
- **DIC:** Magnesium

### Electric Log:
- **no:** Transmissivity: m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Pump:** Intake (m): 30.5
- **Testing:**
  - **Rate (lpm):** 13.7
  - **Time (minute):** 480.0
  - **Level End (m):** 31.7
  - **Drawdown (m):** 26.5
  - **Rec'd intake (m):** 30.5
  - **Rec'd Rate (lpm):** 9.1

### Chemical Constituents:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Printer:**

*Printed on 2/20/98*
SE 08-052-27 W4M

Well Owner: Country Classic Homes
Drilling Contractor: Summers, David Drilling

Well Number 01379

Elevation (AMSL) (m): 714
AEP: 238059
Licence No.: 70,321.09
Date Started: 04 Mar 93
Northings: 5,922,927.50
Date Completed: 04 Mar 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 41.2 (m)
NPWL (m): 3.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 24.4 Bottom (m): 24.4
OD (mm): 152.4 Thickness (mm): 0.2
Seal Type: Shale Trap & Bentoni
from (m): 21.3 to 24.4

Liner:
Type: Plastic
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 21.3 Bottom (m): 41.2
Perforated How: Machine
from (m): 27.4 to 41.2 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: 
Intake (m): 36.6

Testing:
Rate (lpm): 50.2 Time (minute): 180.0
Level End (m): 36.6 Drawdown (m): 33.5
Rec'd intake (m):
Rec'd Rate (lpm): 31.9

Laboratory:
pH (pH unit)
Cond. (µS/cm) SAR
TDS
Sodium
Nitrate
Potassium
Nitrite
Calcium
Vanadium
Magnesium
TC
Carbonate
DIC
Bicarbonate
Arsenic
Aluminum
Barium
Manganese
Sulphate
Beryllium
Chloride
Cadmium
Fluoride
Chromium
Iron
Cobalt
TOC
Copper
Silica
Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
SE 08-052-27 W4M

Well Owner: Deering, Keith
Drilling Contractor: Midwest Water Well Ltd.

Well Number: 01380
Elevation (AMSL) (m): 711
AEP: 218436
 Licence No.: MidWest Water Well Ltd.
 Date Started: 19 Jul 93
 Date Completed: 19 Jul 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 54.9 (m)
NPWL (m): 6.4
Abandonment:
Casing:
Type: Plastic
Depth (m) Bottom (m): 29.9 29.9
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Bentoni
from (m): 28.4 to 29.9

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 27.7
Bottom (m): 54.9
Perforated How: Hand Drill
from (m) Bottom (m): 32.6 52.1
Size:
from (m) to Size:
from (m) to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 54.9

Testing:
Rate (lpm): 18.2
Time (minute): 180.0
Rec'd intake (m):
Rec'd Rate (lpm): 18.2

Depth Elevation
(BGL) (AMSL)
(m) (m)
Lithologic Description
1.2 710.2 Topsoil
4.3 707.1 Till Sandy Brown
6.1 705.3 Clay Brown
12.8 698.6 Clay Soft Blue
14.0 697.4 Sandstone Fine Grained
16.5 694.9 Shale Green
20.1 691.3 Sandstone Fine Grained
22.6 688.9 Sandstone Medium Grained
25.3 686.1 Shale Green
29.3 682.1 Sandstone Fine Grained
31.4 680.0 Shale Green
34.8 676.7 Sandstone Medium Grained
39.3 672.1 Shale Green
42.1 669.3 Sandstone Medium Grained
44.8 666.6 Shale Greenish Gray
47.2 664.2 Sandstone Medium Grained
49.7 661.7 Shale Gray
52.1 659.3 Sandstone Medium Grained
54.9 656.5 Shale Gray

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminum:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD Mercury
SAR Nickel
TKN Selenium
Nitrate Strontium
Nitrite Molybdenum
TN Vanadium
TC Zinc
DIC Hydroxide
Arsenic Total Hardness
Barium Manganese
Beryllium Phosphate
Cadmium Iron Balance
Chromium Amm. Nitrogen
Cobalt Total Phosphate
Copper Total Alkalinity
Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**SE 08-052-27 W4M**

**Well Owner:** Delaney, Sandy  
**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

Elevation (AMSL) (m): 712  
AEP: 158484  
Licence No.:  
Date Started: 03 May 89  
Easting: 70,212.95  
Date Completed: 04 May 89  
Northing: 5,923,107.50

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<td>Drilling Method: Rotary</td>
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<td>Well Use: Domestic</td>
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<td>Completed Depth 30.5 (m)</td>
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<td>NPWL (m): 6.1 Verified NPWL (m):</td>
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<td>Nitrate &amp; Nitrite N:</td>
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<table>
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<tr>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
<th>Gamma Log: No</th>
<th>Storativity:</th>
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<tbody>
<tr>
<td>Aquifer Test: No</td>
<td></td>
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<td>Project:</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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| Remarks: | Chemical Constituents are in mg/l (ppm). Except as noted. |   |   |

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 01382

**Well Owner:** Denis, Cameron

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 714  
**AEP:** 185969  
**Licence No.:** 70,016.64  
**Date Started:** 11 Nov 92  
**Date Completed:** 11 Nov 92  
**Northing:** 5,922,860.50

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)  
  **NPWL (m):** 6.1  
  **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 25.3  
  **Bottom (m):** 25.3  
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 25.3

### Liner:
- **Type:**
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 22.3  
  **Bottom (m):** 67.1
- **Perforated How:** Hand Drill
- **from (m):** 36.6 to 67.1  
  **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  **from (m):** to Size:
  **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 67.1

### Testing:
- **Rate (lpm):** 18.2  
  **Time (minute):** 120.0
- **Level End (m):** 67.1  
  **Drawdown (m):** 61.0
- **Rec'd intake (m):** 61.0  
  **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes  
  **Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number: **01383**

**SE 08-052-27 W4M**

**Well Owner:** Hawryluk, Roger

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 714

**AEP:** 167576

**Date Started:**

**Date Completed:**

**Licence No.:** 70,321.09

**Easting:** 70,321.09

**Northing:** 5,922,927.50

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 36.6 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**

<table>
<thead>
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<th>from (m)</th>
<th>to</th>
<th>Size:</th>
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<tbody>
<tr>
<td></td>
<td></td>
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**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**

<table>
<thead>
<tr>
<th>from (m)</th>
<th>to</th>
</tr>
</thead>
</table>

**Pump:**

- **Model:**
- **Intake (m):** Intake (m):

**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Level End (m):</th>
<th>Drawdown (m):</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rec'd intake (m):</th>
<th>Rec'd Rate (lpm):</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:** Project: 1.000H

**AEP Data:** Yes Well Field Verified: No

**Electric Log:** No Transmissivity: m²/day

**Gamma Log:** No Storativity:

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No

---

printed on 2/20/98
**Well Number:** 01384

**SE 08-052-27 W4M**

**Well Owner:** Hawryluk, Roger

**Drilling Contractor:** Cobob Pumps And Services Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>167366</td>
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<tr>
<td>Date Started:</td>
<td>11 Jun 92</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>15 Jun 92</td>
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**Well Use:** Domestic

**Type of Work:** New Well

**Drilling Method:** Rotary

**Type of Work:** New Well

**Drilling Method:** Rotary

**Well Use:** Domestic

**Completed Depth:** 36.6 (m)

**NPWL (m):** 2.7

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

**Type:** Plastic

**Depth (m):** 24.1

**Bottom (m):** 24.1

**OD (mm):** 152.4

**Thickness (mm):** 0.1

**Seal Type:** Driven & Shale Trap

**from (m):** 22.9

**to:** 24.1

**Liner:**

**Type:**

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Top (m):** 18.3

**Bottom (m):** 36.6

**Perforated How:** Saw

**from (m):** 24.4

**to:** 36.6

**Size:**

**from (m):**

**to:**

**Screen:**

**Material:**

**OD (mm):**

**from (m):**

**to:**

**Size:**

**Open Hole:**

**from (m):**

**to:**

**Pump:** Gould

**Model:** 7g05422

**Intake (m):** 24.4

**Testing:**

<table>
<thead>
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<th>Rate (lpm):</th>
<th>31.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time (minute):</td>
<td>170.0</td>
</tr>
<tr>
<td>Drawdown (m):</td>
<td>21.6</td>
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**Rec’d Rate (lpm):** 31.9

**Rec’d intake (m):**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<td>Chloride</td>
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<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite</td>
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</table>

**Electric Log:** No

**Transmissivity:**

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<th>Electric Log:</th>
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<tbody>
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<td>Gamma Log:</td>
<td>No</td>
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<td>Storativity:</td>
<td></td>
</tr>
<tr>
<td>Aquifer Test:</td>
<td>No</td>
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</table>

**Rec’d Rate (lpm):**

**Rec’d intake (m):**

**Database:**

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Wells Position:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Project:**

**Database:** 1.000H

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 m
- **NPWL:** (m): 4.6
- **Abandonment:**

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<tr>
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<th>(m)</th>
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<td>Sand Silty</td>
<td>5.2</td>
<td>705.9</td>
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<tr>
<td>Clay Sandy Yellow</td>
<td>13.7</td>
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<tr>
<td>Shale Brittle Green</td>
<td>21.6</td>
<td>689.5</td>
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<td>Shale Green</td>
<td>26.2</td>
<td>684.9</td>
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<td>Shale Gray</td>
<td>31.4</td>
<td>679.7</td>
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<tr>
<td>Sandstone</td>
<td>32.6</td>
<td>678.5</td>
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<tr>
<td>Shale Green</td>
<td>35.4</td>
<td>675.8</td>
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<tr>
<td>Sandstone</td>
<td>37.4</td>
<td>673.3</td>
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<tr>
<td>Shale Trap &amp; Bentonite</td>
<td>39.9</td>
<td>671.2</td>
</tr>
<tr>
<td>Sandstone</td>
<td>41.2</td>
<td>670.0</td>
</tr>
</tbody>
</table>

**Casing:**
- **Type:** Plastic
- **Depth:** 24.4 m
- **Bottom:** 24.4 m
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 0.1 to 24.4

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 22.9
- **Bottom (m):** 41.2
- **Perforated How:** Saw
- **from (m):** 32.6 to 41.2

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 41.2

**Testing:**
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 10.7
- **Drawdown (m):** 6.1
- **Rec'd intake (m):** 12.2
- **Rec'd Rate (lpm):** 68.4

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** KTN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
SE 08-052-27 W4M

Well Owner: Haywood, Linsay & Dave
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 712
Licence No.: 156711
Date Started: 
Date Completed: 

Easting: 70,346.95
Northing: 5,923,294.00

Well Number: 01386

- Well Use: Domestic
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic
- Completed Depth: 32.0 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): to

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: 
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: 
- Intake (m):

**Testing:**
- Rate (lpm): 
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite N
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 32.0

**Casing:**
- **Type:** Plastic
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 54.0
- **Perforated How:** Saw
- **from (m):** to 54.0
- **Size:**
- **from (m):** to 32.0
- **Size:**
- **Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to 32.0
- **Size:**
- **from (m):** to 30.5
- **Size:**
- **Open Hole:**
- **from (m):** to 54.0
- **Pump:** Sub
- **Model:** Jacuzzi
- **Intake (m):** 30.5
- **Testing:**
- **Rate (lpm):** 16.0
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 16.8
- **Rec'd Rate (lpm):** 30.5
- **Rec'd intake (m):** 13.7

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number:** 01387

**Well Owner:** Jackson, Brian

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 716

**Licence No.:** 197045

**Date Started:** 14 Jul 94

**Easting:** 70,559.71

**Date Completed:** 14 Jul 94

**Northing:** 5,922,860.50

**Well Use:** Domestic

**Project:**

- **Database:** 1.000H

**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**SE 08-052-27 W4M**

**Well Number:** 01388

**Well Owner:** Janssens, Sid

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 711

**AEP:** 158933

**Licence No.:** Easting: 70,250.56

**Date Started:** 31 Jul 91

**No.:** Northing: 5,923,300.00

**Date Completed:** 31 Jul 91

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 23.8
- **Bottom (m):** 23.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** 23.5
- **to:** 23.8

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 21.3
- **Bottom (m):** 42.7

**Perforated How:** Hand Drill

- **from (m):** 25.3
- **to:** 42.7
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 21.3
- **Drawdown (m):** 18.3
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

---

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**

- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Strontium:**
- **Molybdenum:**
- **Nitrates:**
- **Phosphates:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphates:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 47.2 (m)  
**NPWL (m):** 3.7  
**Verified NPWL (m):**  
**Abandonment:**  

**Casing:**

**Type:** Plastic  
**Depth (m):** 24.4  
**Bottom (m):** 24.4  
**OD (mm):** 152.4  
** Thickness (mm):** 0.1  
**Seal Type:** Shale Trap  
**from (m):** to 24.4  

**Liner:**

**Type:**  
**OD (mm):** 127.0  
**Thickness (mm):** 0.1  
**Top (m):** 23.2  
**Bottom (m):** 47.2  
**Perforated How:** Saw  
**from (m):** 27.4 to 47.2  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  

**Screen:**

**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  

**Open Hole:**

**from (m):** to  

**Pump:**

**Model:**  
**Intake (m):** 36.6  

**Testing:**

**Rate (lpm):** 18.2  
**Time (minute):** 360.0  
**Level End (m):** 32.9  
**Rec'd intake (m):**  
**Rec'd Rate (lpm):** 18.2  

**Laboratory:**

- pH (pH unit)  
- COD  
- Mercury  
- Cond. (µS/cm)  
- SAR  
- Nickel  
- TDS  
- TKN  
- Selenium  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminum  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
- Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- Silica  
- Lead  
- Nitrate&Nitrite  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>(m)</th>
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<tr>
<td>47.2</td>
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<td>Shale Sandy Gray</td>
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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

#### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- from (m): to Size:

#### Open Hole:
- from (m): to

#### Pump:
- **Model:** Intake (m):

#### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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<tr>
<td>Nitrate&amp;Nitrite N</td>
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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation

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<th>(AMSL) (m)</th>
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(No Lithologic Information Available)
**SE 08-052-27 W4M**

**Well Owner:** Kaleta, David  
**Drilling Contractor:** Rodco Drilling

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** 3.7  
- **Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic  
- **Depth (m):** 29.0  
- **Bottom (m):** 29.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):**
- **to:** 29.0

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 29.0  
- **Bottom (m):** 29.0  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 27.4  
- **Bottom (m):** 61.0  
- **Perforated How:** Machine  
- **from (m):**
- **to:** 36.6  
- **Size:** 42.7  
- **from (m):**
- **to:** 54.9  
- **Size:** 61.0  
- **from (m):**
- **to:**

**Screen:**
- **Material:**  
- **OD (mm):**
- **from (m):**
- **to:**
- **Thickness:**
- **Size:**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 11.4  
- **Time (minute):** 480.0  
- **Level End (m):** 39.6  
- **Drawdown (m):** 36.0  
- **Rec’d intake (m):** 54.9  
- **Rec’d Rate (lpm):** 9.1

---

**Lithologic Description**
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<td>Shale</td>
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**Laboratory:**
- pH (pH unit)  
- COD  
- Mercury  
- SAR  
- Nickel  
- TDS  
- KTN  
- Selenium  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminum  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
- Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- Silica  
- Lead  
- Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Database:**
- Project: Yes  
- Well Field Verified: No  
- Database: 1.000H

---

**Printed on:** 2/20/98
**SE 08-052-27 W4M**

**Well Owner:** Knelson, Al

**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 712  
**AEP:** 158482  
**Licence No.:**  
**Date Started:** 02 Aug 85  
**Easting:** 70,351.66  
**Date Completed:** 02 Aug 85  
**Northing:** 5,923,155.50

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.5 (m)
- **NPWL (m):** 6.7
- **Veriﬁed NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 18.3
  - Bottom (m): 18.3
- **OD (mm):** 152.4
  - Thickness (mm): 0.1
- **Seal Type:** Driven
  - from (m): to 18.3

### Liner:

- **Type:**
- **OD (mm):** 127.0
  - Thickness (mm): 0.2
- **Top (m):**
  - Bottom (m): 36.6
- **Perforated How:** Machine
  - from (m): 18.3 to 36.6
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:

- **Material:**
- **OD (mm):**
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Open Hole:

- **from (m):**

### Pump:

- **Sub**
  - **Model:**
  - **Intake (m):** 33.5
  - **Rate (lpm):** 34.2
  - **Time (minute):** 240.0
  - **Level End (m):** 33.5
  - **Drawdown (m):** 26.8
  - **Rec’d intake (m):** 32.9
  - **Rec’d Rate (lpm):** 31.9

### Laboratory:

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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 32.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (μS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- Transmissivity: m³/day

### Gamma Log:
- Storativity:

### Aquifer Test:
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**SE 08-052-27 W4M**

**Well Owner:** Marks, Tim  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 715  
**AEP:** 164462  
**Date Started:** 20 Feb 92  
**Date Completed:** 21 Feb 92

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**Well Use:** Domestic

**Type of Work:** New Well

**Drilling Method:** Rotary

**Easting:** 70,476.26  
**Northing:** 5,922,905.00

**NPWL (m):** 7.6  
**Verified NPWL (m):**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 30.8  
  **Bottom (m):** 30.8
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal  
  **from (m):** to 30.8

**Liner:**
- **Type:** Plastic
- **OD (mm):** 127.0  
  **Thickness (mm):** 0.1
- **Top (m):** 27.1  
  **Bottom (m):** 54.0
- **Perforated How:** Machine  
  **from (m):** to 54.0  
  **Size:**
  **from (m):** to 27.1  
  **Size:**
  **from (m):** to Size:

**Screen:***
- **Material:**
  **OD (mm):**
  **from (m):** to Size:
  **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 27.4

**Testing:**
- **Rate (lpm):** 22.8  
  **Time (minute):** 420.0
- **Level End (m):** 27.4  
  **Drawdown (m):** 19.8
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 08-052-27 W4M**

**Well Number: 01395**

**Well Owner:** Marshall, Fred  
**Drilling Contractor:** Summers, David Drilling

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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 54.9 (m)  
**NPWL (m):** 3.1  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 24.4  
- **Bottom (m):** 24.4
- **OD (mm):** 152.4  
- **Thicknes (mm):** 0.2
- **Seal Type:** Shale Trap & Bentoni
  - from (m):  to 24.4

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1
- **Top (m):** 21.3  
- **Bottom (m):** 54.9
- **Perforated How:** Saw
  - from (m): 30.5  
  - to 54.9

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m):  
  - to
- **from (m):**  
- **to**

**Open Hole:**
- **from (m):**  
- **to**

**Pump:**
- **Model:**  
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 36.5  
- **Time (minute):** 180.0
- **Level End (m):** 48.8  
- **Drawdown (m):** 45.7
- **Rec'd intake (m):** 45.7  
- **Rate (lpm):** 27.4

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **Mercury:**
- **Cond. (µS/cm):** SAR  
- **Nickel:**
- **TDS:** TKN  
- **Selenium:**
- **Sodium:** Nitrate  
- **Strontium:**
- **Potassium:** Nitrite  
- **Molybdenum:**
- **Calcium:** TN  
- **Vanadium:**
- **Magnesium:** TC  
- **Zinc:**
- **Carbonate:** DIC  
- **Hydroxide:**
- **Bicarbonate:** Arsenic  
- **Total Hardness:**
- **Aluminium:** Barium  
- **Manganese:**
- **Sulphate:** Beryllium  
- **Phosphate:**
- **Chloride:** Cadmium  
- **Ion Balance:**
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**
- **Iron:** Cobalt  
- **Total Phosphate:**
- **TOC:** Copper  
- **Total Alkalinity:**
- **Silica:** Lead  
- **Nitrate&Nitrite N:**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 08-052-27 W4M**

**Well Number:** 01396

**Well Owner:** Mayer, Perry/Terry

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 716

**AEP:** 205386

**Licence No.:**

**Easting:** 70,650.23

**Date Started:** 22 Apr 93

**No.**

**Northing:** 5,922,963.00

**Date Completed:** 23 Apr 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 10.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 34.1
- **Bottom (m):** 34.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 33.5 to 34.1

### Liner:
- **Type:** Hand Drill
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 31.1
- **Bottom (m):** 48.8
- **Perforated How:**
- **from (m):** 36.0 to 43.6
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **Open Hole:**
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 48.8

### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 180.0
- **Level End (m):** 42.7
- **Drawdown (m):** 32.0
- **Rec’d intake (m):** 36.6
- **Rec’d Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **Nitrate:**
- **Dic:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

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<th>(m)</th>
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<td>Sand &amp; Coal Fine Grained Brown</td>
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<td>Clay Blue</td>
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<td>Shale Greenish Gray</td>
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<td>667.1</td>
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</table>

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 6.7
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** 32.0
- **to:** 32.0

#### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 54.0
- **Perforated How:** Saw
- **from (m):** 32.0
- **to:** 54.0

#### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to

#### Open Hole:
- **from (m):**

#### Pump:
- **Type:** Sub
- **Model:** Jacuzzi
- **Intake (m):** 30.5

#### Testing:
- **Rate (lpm):** 16.0
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 17.7
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 13.7

#### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS (TKN):**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation
- **Elevation (AMSL) (m):** 716
- **lic No.:** 141283
- **Date Started:** 13 Jul 94
- **Easting:** 70,650.23
- **Date Completed:** 14 Jul 94
- **Northing:** 5,922,871.00

#### Lithologic Description

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<th>Elevation (BGL) (m)</th>
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<td>54.9</td>
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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 08-052-27 W4M**

*Well Owner: Pohl, John*

*Drilling Contractor: Bar-K Water Well Drilling Ltd.*

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
  - NPWL (m): 2.1
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 19.8
  - Bottom (m): 19.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
  - from (m): to 19.5

**Liner:**
- **Type:** Plastic
- **OD (mm):** 114.3
  - Thickness (mm): 0.1
- **Top (m):** 18.9
  - Bottom (m): 45.7
- **Perforated How:** Machine
  - from (m): to 45.7
  - Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):** 41.2

**Testing:**
- **Rate (lpm):** 27.4
  - Time (minute): 120.0
- **Level End (m):** 19.5
  - Drawdown (m): 17.7
- **Rec’d intake (m):** 27.4
  - Rec’d Rate (lpm): 27.4

---

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR, Nickel
- **TDS:** TKN, Selenium
- **Sodium:** Nitrate, Strontium
- **Potassium:** Nitrite, Molybdenum
- **Calcium:** TN, Vanadium
- **Magnesium:** TC, Zinc
- **Carbonate:** DIC, Hydroxide
- **Bicarbonate:** Arsenic, Total Hardness
- **Aluminum:** Barium, Manganese
- **Sulphate:** Beryllium, Phosphate
- **Chloride:** Cadmium, Ion Balance
- **Fluoride:** Chromium, Amm. Nitrogen
- **Iron:** Cobalt, Total Phosphate
- **TOC:** Copper, Total Alkalinity
- **Silica:** Lead, Nitrate & Nitrite

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation**

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<th>Lithologic Description</th>
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<td>45.7</td>
<td>668.5 Shale</td>
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**Elevation (AMSL) (m):** 714

**AEP:** 217780

**Licence No.:**

**Easting:** 70,598.51

**Date Started:** 21 Jul 93

**Northing:** 5,923,081.50

**Date Completed:** 22 Jul 93

---

**Project:** Database: **1.000H**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 08-052-27 W4M**

**Well Owner:** Pool, Mel

**Drilling Contractor:** Unknown Driller

**Well Number:** 01399

**Elevation (AMSL) (m):** 714

**AEP:** 198193

**Date Started:**

**Easting:** 70,321.09

**License No.:**

**Northing:** 5,922,927.50

**Date Completed:**

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<td>Drilling Method</td>
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| Completed Depth   | (m)       |
| NPWL (m):         | Verified NPWL (m): |
| Abandonment:      |           |

| Casing: Type      |            |
| Depth (m):        | Bottom (m): |
| OD (mm):          | Thickness (mm): |
| Seal Type: from (m): | to |

| Liner: Type       |            |
| OD (mm):          | Thickness (mm): |
| Top (m):          | Bottom (m):   |

| Perforated How:   |            |
| from (m): to Size: | Size: |
| from (m): to Size: | Size: |
| from (m): to Size: | Size: |

| Screen: Material: |            |
| OD (mm):         | Thickness (mm): |
| from (m): to Size: | Size: |
| from (m): to Size: | Size: |

| Open Hole: from (m): | to |

| Pump: Model:        | Intake (m): |

| Testing: Rate (lpm): | Time (minute): |
| Level End (m):      | Drawdown (m): |
| Rec'd intake (m):   | Rec'd Rate (lpm): |

| Laboratory: pH (pH unit): | COD |
| Cond. (µS/cm): SAR | Nickel |
| TDS: TKN | Selenium |
| Sodium: Nitrate | Strontium |
| Potassium: Nitrite | Molybdenum |
| Calcium: TN | Vanadium |
| Magnesium: TC | Zinc |
| Carbonate: DIC | Hydroxide |
| Bicarbonate: Arsenic | Total Hardness |
| Aluminium: Barium | Manganese |
| Sulphate: Beryllium | Phosphate |
| Chloride: Cadmium | Ion Balance |
| Fluoride: Chromium | Amm. Nitrogen |
| Iron: Cobalt | Total Phosphate |
| TOC: Copper | Total Alkalinity |
| Silicon: Lead | Nitrate&Nitrite N |

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: Database: 1.000H | |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

printed on 2/20/98
**SE 08-052-27 W4M**

Well Owner: **Riedlinger, Randy**

Drilling Contractor: **Midwest Water Well Ltd.**

**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: **51.8** (m)
- NPWL (m): **6.1** Verified NPWL (m): **
- Abandonment: **

**Casing:**
- Type: **Plastic**
- Depth (m): **29.3** Bottom (m): **29.3**
- OD (mm): **152.4** Thickness (mm): **0.1**
- Seal Type: **Bentonite Chips/Tabl**
- from (m): **to** 29.3

**Liner:**
- Type: **
- OD (mm): **125.5** Thickness (mm): **0.1**
- Top (m): **25.9** Bottom (m): **51.8**
- Perforated How: **Hand Drill**
- from (m): **to** 29.9 45.7 Size: **
- from (m): **to** **Size:** **
- from (m): **to** **Size:** **

**Screen:**
- Material: **
- OD (mm): **
- from (m): **to** **Size:** **
- from (m): **to** **Size:** **

**Open Hole:**
- from (m): **to** **

**Pump:**
- Model: **
- Intake (m): **51.8**

**Testing:**
- Rate (lpm): **31.9** Time (minute): **180.0**
- Level End (m): **51.8** Drawdown (m): **45.7**
- Rec’d intake (m): **45.7** Rec’d Rate (lpm): **27.4**

**Laboratory:**
- pH (pH unit) **COD** Mercury
- Cond. (µS/cm) **SAR** Nickel
- TDS **TKN** Selenium
- Sodium **Nitrate** Strontium
- Potassium **Nitrite** Molybdenum
- Calcium **TN** Vanadium
- Magnesium **TC** Zinc
- Carbonate **DIC** Hydroxide
- Bicarbonate **Arsenic** Total Hardness
- Aluminium **Barium** Manganese
- Sulphate **Beryllium** Phosphate
- Chloride **Cadmium** Ion Balance
- Fluoride **Chromium** Amm. Nitrogen
- Iron **Cobalt** Total Phosphate
- TOC **Copper** Total Alkalinity
- Silica **Lead** Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<td>660.4</td>
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</table>

**Electric Log:** **No** **Transmissivity:** **m³/day**
**Gamma Log:** **No** **Storativity:**
**Aquifer Test:** **No**
**Project:** **Database: 1.000H**
**AEP Data:** **Yes** **Well Field Verified:** **No**

**Printed on:** 2/20/98
SE 08-052-27 W4M

Well Number: 01401

Well Owner: Robin, Keith
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 714
Licence No.: AEP: 185970
Date Started: 10 Nov 92
Easting: 70,195.31
Date Completed: 11 Nov 92
Northing: 5,922,841.50

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 54.9 m
- NPWL (m): 6.1
- Verify NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 25.9
- Bottom (m): 25.9
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): to 25.9

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 22.9
- Bottom (m): 54.9
- Perforated How: Hand Drill
- from (m): to 54.9
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 54.9

Testing:
- Rate (lpm): 18.2
- Time (minute): 120.0
- Level End (m): 54.9
- Drawdown (m): 48.8
- Rec'd Rate (lpm): 51.8
- Rec'd Rate (lpm): 18.2

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Flouride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
SE 08-052-27 W4M

Well Owner: Schoepp, Curtis
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 714
AEP: 238753
Licence No.: Easting: 70,321.09
Date Started: 28 Oct 93
Northing: 5,922,927.50
Date Completed: 28 Oct 93

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 24.7
- **Bottom (m):** 24.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 21.6 to 24.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 22.9
- **Bottom (m):** 42.7
- **Perforated How:** Hand Drill
- **from (m):** 26.5 to 39.6
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 42.7

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 120.0
- **Level End (m):** 42.7
- **Drawdown (m):** 36.6
- **Rec'd intake (m):** 33.5
- **Rec'd Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<th>(m)</th>
<th>Lithologic Description</th>
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<td>708.2</td>
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<td>42.7</td>
<td>671.1</td>
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</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:**  m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**SE 08-052-27 W4M**

**Well Owner:** Schram, Herman  
**Drilling Contractor:** Midwest Water Well Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 51.8 (m)  
- **NPWL (m):** 9.1  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 28.7  
- **Bottom (m):** 28.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** 27.4  
- **to:** 28.7

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 25.0  
- **Bottom (m):** 51.8  
- **Perforated How:** Hand Drill  
- **from (m):** 29.3  
- **to:** 51.2  
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 51.8

### Testing:
- **Rate (lpm):** 18.2  
- **Time (minute):** 180.0  
- **Level End (m):** 48.8  
- **Drawdown (m):** 39.6  
- **Rec’d intake (m):** 48.8  
- **Rec’d Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Potassium:**
- **Molybdenum:**
- **Selenium:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 01403**

**Elevation (AMSL) (m):** 713  
**AEP: 218433**  
**Licence No.:** 70,439.81  
**Date Started:** 30 Aug 93  
**Easting:** 5,923,153.00  
**Date Completed:** 30 Aug 93

### Depth Elevation
- **BGL (AMSL):**
- **Lithologic Description**

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<th>Elevation (m)</th>
<th>Lithologic Description</th>
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### Electric Log:
- **No**  
- **Transmissivity:** m²/day

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:** Database: 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**SE 08-052-27 W4M**

**Well Number: 01404**

**Well Owner:** Tetzlaff, Gary

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 712

**Date Started:** 07 Apr 89

**Drilling Contractor:** Northing: 5,923,263.50

**Date Completed:** 10 Apr 89

**Licence No.:** Easting: 70,429.23

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.3 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 27.4
- **Bottom (m):** 27.4
- **OD (mm):** 152.4
- **Thickness (mm):**
- **Seal Type:** Formation Packer
- **from (m):** to 27.4

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** 27.4
- **Bottom (m):** 49.4

### Perforated How:

- **Machine**
- **from (m):** to 49.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 16.0
- **Time (minute):** 420.0
- **Level End (m):** 38.1
- **Rec'd intake (m):** 19.8
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Remarks:**

---

**printed on 2/20/98**
## SE 08-052-27 W4M

**Well Owner:** Thompson, John  
**Drilling Contractor:** Rodco Drilling

| General: |  
| --- | --- | 
| Type of Work: | New Well | 
| Drilling Method: | Rotary | 
| Well Use: | Domestic | 
| Completed Depth: | 42.7 m | 
| NPWL (m): | 3.7 m | 
| Abandonment: |  
| Casing: | Plastic | 
| Depth (m): | 29.0 m | Bottom (m): 29.0 m | 
| OD (mm): | 152.4 | Thickness (mm): 0.1 | 
| Seal Type: | Driven | 
| from (m): | to 29.0 m | 
| Liner: |  
| Type: |  
| OD (mm): | 114.3 | Thickness (mm): 0.1 | 
| Top (m): | 27.4 m | Bottom (m): 42.7 m | 
| Perforated How: | Machine | 
| from (m): | 36.6 m to 42.7 m | 
| Screen: |  
| Material: |  
| OD (mm): |  
| from (m): | to Size: | 
| from (m): | to Size: | 
| Open Hole: |  
| from (m): | to | 
| Pump: | Sub | 
| Model: |  
| Intake (m): | 35.0 m | 
| Testing: |  
| Rate (lpm): | 13.7 lpm | Time (minute): 120.0 | 
| Level End (m): | 33.5 m Drawdown (m): 29.9 | 
| Rec'd intake (m): | 36.6 m Rec'd Rate (lpm): 13.7 | 

### Laboratory:

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<th>Value</th>
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</tr>
<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Lead</td>
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<tr>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 08-052-27 W4M**

Well Owner: **Thompson, Mel**

Drilling Contractor: **Rodco Drilling**

**Well Number 01406**

Elevation (AMSL) (m): **711**

AEP: **254277**

Licence No.: **Easting:** **70,029.57**

Date Started: **14 Jul 93**

Northing: **5,923,055.50**

Date Completed: **15 Jul 93**

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<td>(m)</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 09-052-27 W4M**

**Well Owner:** Adamack, Bill  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 714  
**AEP:** 162095  
**Licence No.:** 71,369.93  
**Date Started:** 29 Jun 83  
**Easting:** 5,923,474.00  
**Northing:** 71,369.93  
**Date Completed:** 29 Jun 83

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**Printed on:** 2/20/98
Conners, D. 152074712
71,095.85 29 May 90 Cobob Pumps And Services Ltd.
5,923,857.00 31 May 90

New Well
Rotary
6.7 Domestic Clay
705.3
16.1 Coal
695.9
17.4 Shale
694.6
18.3 Unknown
693.7
19.8 Sandstone
692.2
25.3 Shale
682.7
30.2 Sandstone
681.8
34.4 Shale
677.6
34.8 Sandstone
677.3
37.2 Shale
674.8
39.6 Sandstone
672.4
39.9 Shale
672.1
41.5 Sandstone
670.6
51.8 Sandstone
660.2
52.4 Shale
659.6
53.3 Shale & Coal
658.7
55.5 Shale Green
656.5
57.0 Sandstone
655.0
61.0 Shale
651.0

Sub Gould
36.5 420.0
42.7 36.6
45.7 27.4

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Well Number 01408
Elevation (AMSL) (m): 712
AEP: 152074
Licence No.: 71,095.85
Date Started: 29 May 90
Northing: 5,923,857.00
Date Completed: 31 May 90

Well Owner: Conners, D.
Drilling Contractor: Cobob Pumps And Services Ltd.

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 61.0 (m)
NPWL (m): 6.1 Verified NPWL (m):
Abandonment:
Casing:
Type: Steel
Depth (m): 16.8 Bottom (m): 16.8
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven
from (m): 16.1 to
Liner:
Type: Steel
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 16.8 Bottom (m): 59.4
Perforated How: Machine
from (m): 47.2 to 59.4 Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump: Sub
Model: Gould
Intake (m):
Testing:
Rate (lpm): 36.5 Time (minute): 420.0
Level End (m): 42.7 Drawdown (m): 36.6
Rec’d intake (m): 45.7 Rec’d Rate (lpm): 27.4

Depth Elevation
(BGL) (AMSL)
(m) (m) Lithologic Description
6.7 705.3 Clay
16.1 695.9 Coal
17.4 694.6 Shale
18.3 693.7 Unknown
19.8 692.2 Sandstone
29.3 682.7 Shale
30.2 681.8 Sandstone
34.4 677.6 Shale
34.8 677.3 Sandstone
37.2 674.8 Shale
39.6 672.4 Sandstone
39.9 672.1 Shale
41.5 670.6 Sandstone
51.8 660.2 Sandstone
52.4 659.6 Shale
53.3 658.7 Shale & Coal
55.5 656.5 Shale Green
57.0 655.0 Sandstone
61.0 651.0 Shale

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**NW 09-052-27 W4M**

**Well Owner:** Pekarchik, Harold  
Drilling Contractor: Midwest Water Well Ltd.

**Well Number:** 01409  
Elevation (AMSL) (m): 714  
AEP: 185971  
Licence No.: Easting: 71,202.44  
Date Started: 12 Nov 92  
Northing: 5,923,589.50  
Date Completed: 12 Nov 92

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<th>Depth Elevation (BGL) (AMSL)</th>
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<tbody>
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<td></td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>6.7</td>
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<td>12.8</td>
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<td>15.9</td>
<td>698.1 Sand &amp; Coal</td>
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<td>26.5</td>
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<td>683.4 Shale Green</td>
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<td>from (m): to Size:</td>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphorus |
| TOC | Copper | Total Alkalinity |
| Silicon | Lead | Nitrate & Nitrite |

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 09-052-27 W4M**

**Well Owner:** Tucker, Rick & Lynn

**Drilling Contractor:** Unknown Driller

**Type of Work:** Chemistry

**Drilling Method:** Not Applicable

**Well Use:** Domestic

**Elevation (AMSL) (m):** 712

**Licence No.:** Easting: 71,088.24

**Date Started:** Northing: 5,923,797.00

**Date Completed:**

**General:**
- **Completed Depth:** 59.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Type:**
  - **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** Size:
- **from (m):** Size:

**Screen:**
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** Size:
  - **from (m):** Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL)**

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<th>Depth (m)</th>
<th>Elevation (m)</th>
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**Lithologic Description**

(No Lithologic Information Available)

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**AEP Data:** Yes

**Well Field Verified:** No

**Database:** 1.000H

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
### General:
- **Type of Work**: Chemistry
- **Drilling Method**: Not Applicable
- **Well Use**: Domestic
- **Completed Depth** (m): 
- **NPWL (m)**: 
- **Verified NPWL (m)**: 
- **Abandonment**:
  - **Type**: 
  - **Depth (m)**: Bottom (m):
  - **OD (mm)**: Thickness (mm):
  - **Seal Type**: from (m) to
- **Linetype**:
  - **OD (mm)**: Thickness (mm):
  - **Top (m)**: Bottom (m):
  - **Perforated How**: from (m) to Size: from (m) to Size: from (m) to Size:
- **Screen**:
  - **Material**: 
  - **OD (mm)**: from (m) to Size: from (m) to Size: from (m) to Size:
- **Open Hole**:
  - **from (m)**: to
- **Pump**:
  - **Model**: 
  - **Intake (m)**: 
- **Testing**:
  - **Rate (lpm)**: Time (minute):
  - **Level End (m)**: Drawdown (m):
  - **Rec'd intake (m)**: Rec'd Rate (lpm): 

### Laboratory:
- **pH (pH unit)**: COD Mercury
- **Cond. (µS/cm)**: SAR Nickel
- **TDS**: TKN Selenium
- **Sodium**: Nitrate Strontium
- **Potassium**: Nitrite Molybdenum
- **Calcium**: TN Vanadium
- **Magnesium**: TC Zinc
- **Carbonate**: DIC Hydroxide
- **Bicarbonate**: Arsenic Total Hardness
- **Aluminum**: Barium Manganese
- **Sulphate**: Beryllium Phosphate
- **Chloride**: Cadmium Ion Balance
- **Fluoride**: Chromium Amm. Nitrogen
- **Iron**: Cobalt Total Phosphate
- **TOC**: Copper Total Alkalinity
- **Silica**: Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

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<td>(No Lithologic Information Available)</td>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 10-052-27 W4M**

**Well Number 01412**

Well Owner: **Guinn, Janet/Fairbanks, Bria**  
Drilling Contractor: **Unknown Driller**

**Elevation (AMSL) (m):** 712  
**AEP:** 156715

**Licence No.:**  
**Easting:** 72,776.50

**Date Started:**  
**Norting:** 5,923,561.50

**Date Completed:**

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**Well Use:** Domestic

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**Abandonment:**

### Casing:

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<td>Thickness (mm):</td>
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<tr>
<td>OD (mm):</td>
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<td>from (m):</td>
<td>to</td>
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### Liner:

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<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
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<td>from (m):</td>
<td>to</td>
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<td>Thickness (mm):</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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### Open Hole:

| Depth (m): | Bottom (m): |
| from (m):   | to          |

### Pump:

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<th>Model:</th>
<th>Intake (m):</th>
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### Testing:

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### Laboratory:

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**13-11-052-27 W4M**

**Well Owner:** Hatch, G.

**Well Number:** 01413

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 712

**AEP:** 187336

**Licence No.:**

**Date Started:** 01 Oct 92

**Date Completed:** 06 Oct 92

**Easting:** 74,044.02

**Northing:** 5,923,990.50

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 90.8 (m)
**NPWL (m):** 12.2
**Verified NPWL (m):**

**Abandonment:**

#### Casing:

- **Type:** Plastic
- **Depth (m):** 39.6
- **Bottom (m):** 39.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

- **Seal Type:** Driven & Bentonite
- **from (m):** 36.8 to 39.6

#### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 36.6
- **Bottom (m):** 90.8

- **Perforated How:** Saw
- **from (m):** 72.5 to 90.8
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Open Hole:

- **from (m):**

#### Pump:

- **Model:** 7s4518p
- **Intake (m):** 73.2

#### Testing:

- **Rate (lpm):** 13.7
- **Time (minute):** 180.0
- **Level End (m):** 73.2
- **Drawdown (m):** 61.0
- **Rec'd Rate (lpm):** 22.8
- **Rec'd intake (m):**

**Laboratory:**

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<th>Unit</th>
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<tr>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

printed on 2/20/98
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<th>Well Number: NE 11-052-27 W4M</th>
<th>Well Number: 01414</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Owner: Detlefsen, Dave/Susan</td>
<td>Elevation (AMSL) (m): 710</td>
</tr>
<tr>
<td>Drilling Contractor: Mcginn, Gerald Drilling Ltd.</td>
<td>AEP: 196318</td>
</tr>
<tr>
<td></td>
<td>Licence No.: 75,169.55</td>
</tr>
<tr>
<td></td>
<td>Date Started: 15 Aug 94</td>
</tr>
<tr>
<td></td>
<td>Northing: 5,923,818.00</td>
</tr>
<tr>
<td></td>
<td>Date Completed: 16 Aug 94</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 84.4 (m)
- **NPWL (m):** 7.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 57.9
- **Bottom (m):** 57.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** 57.9

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 56.4
- **Bottom (m):** 83.5
- **Perforated How:** Saw
- **from (m):** 57.9 to 83.5
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:
- **from (m):**

### Pump:
- **Model:** SSp4c02tl-02
- **Intake (m):** 64.0
- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 57.9
- **Drawdown (m):** 56.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **m³/day**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 85.3 (m)
- **NPWL (m):** 36.9
- **Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 60.4
- **Bottom (m):** 60.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** 57.9 to 60.4

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 57.3
- **Bottom (m):** 85.3

**Perforated How:** Hand Drill
- **from (m):** 61.0 to 85.3
- **Size:**
  - **from (m):** to
  - **to:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **to:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 61.0

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 61.0
- **Drawdown (m):** 24.1
- **Rec'd intake (m):** 64.0
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lab Test:**
  - **pH:**
  - **SAR:**
  - **COD:**
  - **TDS:**
  - **Sodium:**
  - **Nitrate:**
  - **Potassium:**
  - **Magnesium:**
  - **Calcium:**
  - **Iron:**
  - **Total Alkalinity:**
  - **Chloride:**
  - **Fluoride:**
  - **Total Nitrogen:**
  - **TOC:**
  - **Silica:**
  - **Lead:**
  - **Nickel:**
  - **Zinc:**
  - **Barium:**
  - **Molybdenum:**
  - **Cadmium:**
  - **Cobalt:**
  - **Copper:**
  - **Strontium:**
  - **Nickel:**
  - **Selenium:**
  - **Nitrate:**
  - **Vanadium:**
  - **Cyanide:**
  - **Sodium:**
  - **Strontium:**
  - **Sulfate:**
  - **Total Hardness:**
  - **Bicarbonate:**
  - **Amm. Nitrogen:**
  - **Phosphate:**
  - **Ion Balance:**
  - **Amm. Nitrogen:**
  - **Nitrates:**
  - **Sulfate:**
  - **Total Alkalinity:**
  - **Lead:**
  - **Nitrate:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.0</td>
<td>703.3</td>
<td>Sand Brown</td>
</tr>
<tr>
<td>11.6</td>
<td>698.8</td>
<td>Till Blue</td>
</tr>
<tr>
<td>20.4</td>
<td>689.9</td>
<td>Sand Brown</td>
</tr>
<tr>
<td>25.6</td>
<td>684.7</td>
<td>Till Blue</td>
</tr>
<tr>
<td>31.4</td>
<td>678.9</td>
<td>Sand Brown</td>
</tr>
<tr>
<td>36.0</td>
<td>674.4</td>
<td>Till Blue</td>
</tr>
<tr>
<td>59.1</td>
<td>651.2</td>
<td>Sand Brown</td>
</tr>
<tr>
<td>60.0</td>
<td>650.3</td>
<td>Gravel</td>
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<tr>
<td>65.2</td>
<td>645.1</td>
<td>Sandstone Medium Grained</td>
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<tr>
<td>65.5</td>
<td>644.8</td>
<td>Siltstone Brown</td>
</tr>
<tr>
<td>66.8</td>
<td>643.6</td>
<td>Shale Light Brown</td>
</tr>
<tr>
<td>67.4</td>
<td>643.0</td>
<td>Coal</td>
</tr>
<tr>
<td>69.2</td>
<td>641.1</td>
<td>Shale Brown</td>
</tr>
<tr>
<td>80.2</td>
<td>630.2</td>
<td>Sandstone Medium Grained</td>
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<tr>
<td>81.7</td>
<td>628.7</td>
<td>Shale Brown</td>
</tr>
<tr>
<td>82.6</td>
<td>627.7</td>
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<td>84.4</td>
<td>625.9</td>
<td>Sandstone Medium Grained</td>
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<tr>
<td>85.3</td>
<td>625.0</td>
<td>Shale Fractured Gray</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

<table>
<thead>
<tr>
<th>Electric Log</th>
<th>Transmissivity</th>
<th>m³/day</th>
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</thead>
<tbody>
<tr>
<td>No</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Gamma Log</th>
<th>Storativity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Aquifer Test</th>
<th>Total Phosphate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project</th>
<th>Database</th>
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<tbody>
<tr>
<td></td>
<td>1.000H</td>
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<table>
<thead>
<tr>
<th>AEP Data</th>
<th>Well Field Verified</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 7.6
- **Verif NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 43.3
- **Bottom (m):** 43.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
- **from (m):**
- **to:** 42.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 39.3
- **Bottom (m):** 73.2
- **Perforated How:** Hand Drill
- **from (m):** 51.8
- **to:** 70.1
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 73.2
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 73.2
- **Drawdown (m):** 53.3
- **Rec'd intake (m):** 54.9
- **Rec'd Rate (lpm):** 68.4

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Aluminum:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Cobalt
- **TOC:** Total Phosphate
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depths Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5</td>
<td>704.8</td>
<td>Sand</td>
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<tr>
<td>10.1</td>
<td>700.3</td>
<td>Clay Gray</td>
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<td>23.2</td>
<td>687.2</td>
<td>Sand Silty Gray</td>
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<tr>
<td>24.7</td>
<td>685.6</td>
<td>Gravel</td>
</tr>
<tr>
<td>26.5</td>
<td>683.8</td>
<td>Clay</td>
</tr>
<tr>
<td>27.4</td>
<td>682.9</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>28.4</td>
<td>682.0</td>
<td>Clay</td>
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<tr>
<td>28.7</td>
<td>681.7</td>
<td>Coal</td>
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<tr>
<td>32.0</td>
<td>678.3</td>
<td>Clay</td>
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<tr>
<td>42.4</td>
<td>668.0</td>
<td>Sandstone</td>
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<td>44.8</td>
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<td>45.7</td>
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<tr>
<td>51.5</td>
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<td>Shale Brown</td>
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<td>52.1</td>
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<td>Coal</td>
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<td>53.3</td>
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<tr>
<td>69.8</td>
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<td>Sandstone</td>
</tr>
<tr>
<td>73.2</td>
<td>637.2</td>
<td>Shale Brown</td>
</tr>
</tbody>
</table>

**Printed on 2/20/98**
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

(No Lithologic Information Available)

---

**Electric Log: No**

**Transmissivity:** m³/day

**Gamma Log: No**

**Storativity:**

**Aquifer Test: No**

**Project:** Database: 1.000H

**AEP Data: Yes**

**Well Field Verified: No**

---

Printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 29.9 (m)
- **NPWL (m):** 10.7
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 23.8
  - **Bottom (m):** 23.8
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 23.8 to 25.3
- **Size:** 0.01
- **Bottom (m):**
- **Top (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 16.8
- **Rec'd Rate (lpm):**
- **Rec'd int (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (μS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Aquifer Test:**
- **TOC:**
- **Silica:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 01418

**Well Owner:** Keltie Farms

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 717

**Licence No.:**

**Date Started:** 11 Mar 91

**Date Completed:** 13 Mar 91

**AEP:** 156186

**Easting:** 75,267.77

**Northing:** 5,925,649.50

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 82.0 m
NPWL (m): 10.1
Abandonment:
Casing:
Type: Plastic
Depth (m): 47.9
OD (mm): 152.4
Seal Type: Shale Trap & Bentonite
from (m): to 47.9
Linier:
Type: Plastic
OD (mm): 114.3
Top (m): 46.3
Perforated How: Saw
from (m): to 80.5
Screen:
Material: Plastic
from (m): to Size:
Casing:
Type: Plastic
Bottom (m): 47.9
Seal Type: Shale Trap & Bentonite
from (m): to 47.9
Liner:
Type: Plastic
OD (mm): 143.9
Top (m): 46.3
Perforated How: Saw
from (m): to 80.5
Screen:
Material: Plastic
from (m): to Size:
Open Hole:
from (m): to Intake (m): 82.0
Pump:
Model: Intake (m): 82.0
Testing:
Rate (lpm): 50.2
Level End (m): 68.9
Rec’d intake (m): 54.9
Rec’d Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N
Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m)
Lithologic Description
5.5 703.6 Clay Sandy Yellow
23.2 685.9 Clay Sandy Blue
24.7 684.4 Sand
29.9 679.2 Clay Blue
32.0 677.1 Sand & Gravel
36.9 672.2 Clay Blue
38.4 670.7 Shale Green
39.3 669.8 Sandstone
51.2 657.9 Shale Gray
52.4 656.7 Sandstone
57.6 651.5 Shale Gray
58.5 650.6 Sandstone
59.1 650.0 Shale & Coal Brown
67.4 641.7 Shale Gray
71.9 637.2 Sandstone
74.7 634.4 Shale Gray
79.8 629.2 Sandstone
82.0 627.1 Shale Gray

Water Well Positioned by PFRA in 10TM NAD 27

Well Owner: Netzlaff, Art
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 01419
Elevation (AMSL) (m): 709
AEP: 278943
Licence No.: 543.263.43
Date Started: 09 Nov 95
Easting: 75,206.30
Date Completed: 10 Nov 95
Northing: 5,824,412.00

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1,000H
AEP Data: Yes
Well Field Verified: No

Remarks:
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 98.1 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 72.5
- **Bottom (m):** 72.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 72.5

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 72.2
- **Bottom (m):** 98.1

## Perforated How:
- **Size:**
- **from (m):** to 84.4

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 71.6

## Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 480.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 9.1

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Vanadium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 15-052-27 W4M**

**Well Owner:** Bymoen, Mickey  
**Drilling Contractor:** D&D Water Well Drilling & Services

<table>
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<tr>
<th>Well Number: 01421</th>
<th>Elevation (AMSL) (m): 710</th>
<th>AEP: 238754</th>
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<td></td>
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<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td></td>
<td></td>
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<tr>
<td>Well Use: Domestic</td>
<td></td>
<td></td>
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<tr>
<td>Completed Depth: 58.5 (m)</td>
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<td></td>
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<tr>
<td>NPWL (m): 4.6</td>
<td></td>
<td></td>
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<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Type: Plastic</td>
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</tr>
<tr>
<td>Depth (m): 42.1</td>
<td>Bottom (m): 42.1</td>
</tr>
<tr>
<td>OD (mm): 152.4</td>
<td>Thickness (mm): 0.1</td>
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</table>

| Seal Type: | |
| Shale Trap & Bentonite | |
| from (m): | to 42.1 |

<table>
<thead>
<tr>
<th>Liner:</th>
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<tbody>
<tr>
<td>Type:</td>
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<tr>
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<td>Top (m): 41.2</td>
<td>Bottom (m): 58.5</td>
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| Perforated How: | |
| Saw | |
| from (m): 42.7 to 58.5 | Size: |
| from (m): | to Size: |
| from (m): | to Size: |

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<tr>
<td>OD (mm):</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
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<thead>
<tr>
<th>Open Hole:</th>
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<tbody>
<tr>
<td>from (m):</td>
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<tr>
<th>Pump:</th>
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<tbody>
<tr>
<td>Model:</td>
<td>Intake (m): 58.5</td>
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<th>Testing:</th>
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<td>Rate (lpm): 36.5</td>
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<td>Level End (m): 43.6</td>
<td>Drawdown (m): 39.0</td>
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<tr>
<td>Rec'd intake (m): 42.7</td>
<td>Rec'd Rate (lpm): 22.8</td>
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### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphorus</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27

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<thead>
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<th>Laboratory</th>
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<tr>
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<td>Magnesium</td>
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<td>Beryllium</td>
<td>Phosphate</td>
</tr>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
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<tr>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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<table>
<thead>
<tr>
<th>Remarks:</th>
<th></th>
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</thead>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

The text includes information about the well's general characteristics, drilling details, and laboratory results. It also mentions the well's water quality analysis and the results of various tests such as pH, conductivity, and chemical constituents. The well was positioned by PFRA in 10TM NAD 27.
**SE 15-052-27 W4M**

**Well Owner:** Campbell, Bill  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 713  
** licence No.:** 258732  
**Date Started:** 12 Jun 95  
**Date Completed:** 13 Jun 95

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 59.4 (m)  
- **NPWL (m):** 9.9  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Well Number:** 01423

### Depth:

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<td>7.6</td>
<td>705.4</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>22.3</td>
<td>690.8</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>23.5</td>
<td>689.5</td>
<td>Sand Coarse Grained</td>
</tr>
<tr>
<td>24.1</td>
<td>688.9</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>26.2</td>
<td>686.8</td>
<td>Sand &amp; Shale</td>
</tr>
<tr>
<td>27.7</td>
<td>685.3</td>
<td>Shale Green</td>
</tr>
<tr>
<td>30.5</td>
<td>682.5</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>36.6</td>
<td>676.4</td>
<td>Shale Green</td>
</tr>
<tr>
<td>40.5</td>
<td>672.5</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>50.3</td>
<td>662.7</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>57.9</td>
<td>655.1</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>59.4</td>
<td>653.6</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

### Lithologic Description:
- **Type:** Plastic  
- **Depth:** 33.2 (m)test (m): 33.2  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from:** (m): to 33.2  

### Liner:
- **Type:** Plastic  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 31.7  
- **Bottom (m):** 58.5  
- **Perforated How:** Saw  
- **from:** (m): 33.2 to 58.5  
- **Size:**  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from:** (m): to  
- **Size:**  
- **Open Hole:**  
- **from:** (m): to  

### Pump:
- **Model:** Mcdonald  
- **Intake (m):** 39.6  

### Testing:
- **Rate (lpm):** 16.0  
- **Time (minute):** 120.0  
- **Level End (m):** 33.5  
- **Drawdown (m):** 23.8  
- **Rec'd Rate (lpm):** 13.7  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphorus:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  
**Transmissivity:** m³/day  
**Storativity:**  
**Aquifer Test:** No  
**Electric Log:** No  
**Gamma Log:** No  

---

**Remarks:**

---

**printed on 2/20/98**
NW 16-052-27 W4M

Well Number: 01424

Well Owner: Burzminski, Mrs. H.

Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 712

Licence No.: 161657

Date Started: 70,878.32

Date Completed: 5,925,691.00

Well Number: 01424

General:
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic
- Completed Depth (m):
- NPWL (m):
- Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- Bottom (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m):
- to

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m):
- to
- Size:
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit):
- COD:
- Mercury
- Cond. (µS/cm):
- SAR:
- Nickel
- TDS:
- TKN:
- Selenium
- Sodium:
- Nitrate:
- Strontium
- Potassium:
- Nitrite:
- Molybdenum
- Calcium:
- TN:
- Vanadium
- Magnesium:
- TC:
- Zinc
- Carbonate:
- DIC:
- Hydroxide
- Bicarbonate:
- Arsenic:
- Total Hardness
- Aluminium:
- Barium:
- Manganese
- Sulphate:
- Beryllium:
- Phosphate
- Chloride:
- Cadmium:
- Ion Balance
- Fluoride:
- Chromium:
- Amm. Nitrogen
- Iron:
- Cobalt:
- Total Phosphate
- TOC:
- Copper:
- Total Alkalinity
- Silica:
- Lead:
- Nitrate&Nitrite N
- DIC:
- Hydroxide
- Arsenic:
- Total Hardness
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 16-052-27 W4M**

**Well Number:** 01425

**Well Owner:** Matheos, Peter

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 712

**Licence No.:** 200009

**Date Started:** 26 Oct 93

**Date Completed:** 27 Oct 93

**Easting:** 70,878.32

**Northing:** 5,925,691.00

---

### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth (m):** 38.1
- **NPWL (m):** 7.6
- **Abandonment:**

### Casing

- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 35.0

### Liner

- **Type:** St
- **OD (mm):** 1.2
- **from (m):** 35.0 to 36.6
- **Size:** 0.01
- **Perforated How:**
  - from (m): to Size:
- **Top (m):** to Size:
- **Bottom (m):** to Size:

### Screen

- **Material:**
- **OD (mm):** 1.2
- **from (m):** 35.0 to 36.6
- **Size:** 0.01
- **Perforated How:**
  - from (m): to Size:

### Open Hole

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):** 95.8
- **Time (minute):** 420.0
- **Level End (m):** 15.2
- **Rec'd Rate (lpm):** 22.9
- **Rec'd intake (m):** 22.9

### Laboratory

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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
<td>6.9</td>
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<td>Sodium</td>
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<td>7.9</td>
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<tr>
<td>Iron</td>
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<td>Silica</td>
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### Remarks

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

<table>
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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>710.6</td>
<td>Sand Yellow</td>
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<tr>
<td>7.9</td>
<td>703.9</td>
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<td>21.9</td>
<td>689.9</td>
<td>Clay Blue</td>
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<tr>
<td>22.9</td>
<td>689.0</td>
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<tr>
<td>36.6</td>
<td>675.3</td>
<td>Sand</td>
</tr>
<tr>
<td>38.1</td>
<td>673.7</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

--

printed on 2/20/98
**Well Number: 01426**

**Well Owner:** Matheos, Peter  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.  
**Elevation (AMSL) (m):** 712  
**AEP:** 228245  
**Licence No.:** Easting: 70,878.32  
**Date Started:** 25 Oct 93  
**Norting:** 5,925,691.00  
**Date Completed:** 26 Oct 93

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<th>Elevation (BGL) (m)</th>
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<tbody>
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<td>710.3</td>
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<td>704.2</td>
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<td>27.4</td>
<td>684.4</td>
<td>Clay &amp; Sand</td>
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<tr>
<td>29.0</td>
<td>682.9</td>
<td>Sand Green</td>
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<td>37.5</td>
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<td>Sand</td>
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**General:**  
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 74.4 (m)  
NPWL (m): 15.2  
Verified NPWL (m):  
Abandonment:  

**Casing:**  
Type: Plastic  
Depth (m): 38.4  
Bottom (m): 38.4  
OD (mm): 152.4  
Thickness (mm): 0.1  
Seal Type: Driven  
from (m): to 38.4  

**Liner:**  
Type:  
OD (mm): 127.0  
Thickness (mm): 0.1  
Top (m): 36.9  
Bottom (m): 73.5  
Perforated How: Saw  
from (m): to 73.5  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Screen:**  
Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Open Hole:**  
from (m): to  

**Pump:**  
Model:  
Intake (m):  
Rate (lpm): 22.8  
Time (minute): 420.0  
Level End (m): 47.2  
Drawdown (m): 32.0  
Rec’d intake (m): 47.2  
Rec’d Rate (lpm): 22.8

**Laboratory:**  
- pH (pH unit)  
- Cond. (µS/cm)  
- COD  
- SAR  
- TDS  
- TKN  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminum  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
- Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- silica  
- Lead  
- Nitrate&Nitrite N  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H  
**AEP Data:** Yes  
Well Field Verified: No

**Testing:**  
Electric Log: No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project:  
AEP Data: Yes
### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 m  
- **NPWL (m):** 4.6  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:

- **Type:** Plastic  
- **Depth (m):** 31.7  
- **Bottom (m):** 31.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):**  
- **to:** 31.7  

### Liner:

- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 29.3  
- **Bottom (m):** 54.0  
- **Perforated How:** Saw  
- **from (m):** 29.3  
- **to:** 54.0  
- **Size:**  

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  

### Open Hole:

- **from (m):**  
- **to:**  

### Pump:

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 24.4  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**  

### Laboratory:

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:

- **No**  
- **Transmissivity:**  
- **m²/day**  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **No**  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 01428**

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):** 10.1
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 30.5
- **Bottom (m):** 30.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 30.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 29.3
- **Bottom (m):** 48.2
- **Perforated How:** Machine
- **from (m):** 42.1 to 48.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 41.2
- **Rate (lpm):** 18.2
- **Time (minute):** 240.0
- **Level End (m):**
- **Drawdown (m):** 21.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Flouride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

**Elevation (AMSL) (m):** 713
- **AEP:** 195424
- **Date Started:** 25 Sep 92
- **Date Completed:** 26 Sep 92
- **Easting:** 71,096.20
- **Northing:** 5,924,595.50
**SW 16-052-27 W4M**

**Well Owner:** Lytviak, Susan  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth** 46.9 (m)  
**NPWL (m):** 6.1  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 26.2  
- **Bottom (m):** 26.2  
- **OD (mm):** 131.6  
- **Thickness (mm):**

**Seal Type:** Formation Seal

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):**

**Perforated How:** Machine

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Thickness (mm):**

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

---

**Lithologic Description**

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**Laboratory:**

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<td>Pump</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Date Started:** 30 May 89  
**Date Completed:** 31 May 89

**Elevation (AMSL) (m):** 714  
**AEP:** 187055  
**Licence No.:** 71,052.04  
**Nortthing:** 5,924,718.00

**Electric Log:** Yes  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Printed on:** 2/20/98
Well Number: 01430

Millar, Lawrence
Drilling Contractor: Midwest Water Well Ltd.

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 48.8 m
- NPWL (m): 12.2
- Veriﬁed NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 32.0
- Bottom (m): 32.0
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): 31.4
- to: 32.0

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 30.5
- Bottom (m): 48.8
- Perforated How: Hand Drill
- from (m): 34.1
- to: 48.8
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m): 48.8

Testing:
- Rate (lpm): 27.4
- Time (minute): 180.0
- Level End (m): 39.6
- Drawdown (m): 27.4
- Rec’d intake (m): 42.7
- Rec’d Rate (lpm): 22.8

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS
- Sodium
- Nitrate
- Potassium
- Nitrile
- Calcium
- Molybdenum
- Magnesium
- Zinc
- Carbonate
- DIC
- Bicarbonate
- Arsenic
- Aluminum
- Barium
- Sulphate
- Beryllium
- Chloride
- Cadmium
- Fluoride
- Chromium
- Iron
- TOC
- TOC
- Silicon
- Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**SW 16-052-27 W4M**

Well Owner: **Skalicky, Lloyd**
Drilling Contractor: **Summers, David Drilling**

- **Well Number:** 01431
- **Elevation (AMSL) (m):** 713
  - **AEP:** 238061
  - **Licence No.:** Easting: 71,096.20
  - **Date Started:** 17 Apr 93
  - **Northing:** 5,924,595.50
  - **Date Completed:** 17 Apr 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 3.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 33.5 to 36.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 33.5
- **Bottom (m):** 64.0

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 50.2
- **Time (minute):** 120.0
- **Level End (m):** 54.9
- **Drawdown (m):** 51.5
- **Rec’d Rate (lpm):** 54.9
- **Rec’d intake (m):** 36.5

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
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- **Zinc:**
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- **DIC:**
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- **Bicarbonate:**
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- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SW 16-052-27 W4M**

**Well Owner:** Stephens, Gary

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<th>General</th>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
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<td><strong>Licence No.:</strong> Easting: 71,293.10</td>
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<td>695.2 Clay Blue</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Northing:</strong> 5,924,811.50</td>
<td>22.9</td>
<td>690.9 Sand &amp; Coal</td>
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<tr>
<td><strong>Completed Depth:</strong> 45.7 (m)</td>
<td><strong>Date Started:</strong> 15 Oct 90</td>
<td>23.5</td>
<td>690.3 Clay Blue</td>
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<tr>
<td><strong>NPWL (m):</strong> 15.2 Verifed NPWL (m):</td>
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<td>24.4</td>
<td>689.4 Shale Brown</td>
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<tr>
<td><strong>Abandonment:</strong></td>
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<td>25.6</td>
<td>688.2 Sand &amp; Coal</td>
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<tr>
<td><strong>Type:</strong> Plastic</td>
<td></td>
<td>27.1</td>
<td>686.7 Clay &amp; Rocks Blue</td>
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<tr>
<td><strong>Depth (m):</strong> 31.1 Bottom (m): 31.1</td>
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<td>29.6</td>
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<tr>
<td><strong>OD (mm):</strong> 152.4 Thickness (mm): 0.1</td>
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<tr>
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<td></td>
<td>32.3</td>
<td>681.5 Shale Green</td>
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<tr>
<td>from (m): to 31.1</td>
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<td>34.8</td>
<td>679.0 Shale Sandy Gray</td>
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<td><strong>Liner:</strong></td>
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<td>675.4 Shale Green</td>
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<td>668.1 Shale Green</td>
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<td>from (m): 29.6 to 44.8 Size:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<tr>
<td><strong>Screen:</strong></td>
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<tr>
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<td></td>
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<tr>
<td>OD (mm):</td>
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<td></td>
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<tr>
<td>from (m): to Size:</td>
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<tr>
<td>from (m): to Size:</td>
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<td><strong>Open Hole:</strong></td>
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<tr>
<td>from (m): to</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Model:</strong></td>
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<tr>
<td>Intake (m):</td>
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<td><strong>Testing:</strong></td>
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<td>Level End (m): Drawdown (m):</td>
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**Laboratory:**

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Magnesium DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### NE 17-052-27 W4M

**Well Owner:** Belrose, Pat  
**Drilling Contractor:** Big Iron Drilling Ltd.

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<td>Licence No.:</td>
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**Well Number:** 01433

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<th>Depth Elevation</th>
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<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Cable Tool</td>
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<td>Completed Depth: 50.3 (m)</td>
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<tr>
<td>Type: Steel</td>
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<td>Depth (m): 37.8</td>
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<td>Bottom (m): 37.8</td>
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<td>from (m): 35.4</td>
<td>50.3</td>
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<td>from (m): 50.3</td>
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<td>from (m):</td>
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<td>Open Hole:</td>
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<td>from (m):</td>
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<td>Intake (m): 45.7</td>
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**Testing:**

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<td>Rec'd Rate (lpm): 45.7</td>
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<td>Intake (m): 45.7</td>
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**Laboratory:**

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Calcium</td>
<td>TN</td>
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<td>Magnesium</td>
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<td>DIC</td>
<td>Hyroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<td>TOC</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Calcium</td>
<td>Magnesium</td>
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<tr>
<td>Sodium</td>
<td>Potassium</td>
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<td>Iron</td>
<td>Nickel</td>
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<td>Chloride</td>
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<tr>
<td>Fluoride</td>
<td>Beryllium</td>
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</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NE 17-052-27 W4M**

**Well Number**: 01434

- **Well Owner**: Campbell, Bill Site #11
- **Drilling Contractor**: McGinn, Gerald Drilling Ltd.
- **Elevation (AMSL) (m)**: 713
- **AEP**: 150898
- **Licence No.**: Easting: 70,529.30
- **Date Started**: 23 Apr 90
- **Northing**: 5,925.223.50
- **Date Completed**: 23 Apr 90

### General:
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 27.4 (m)
- **NPWL (m)**: 4.6
- **Verified NPWL (m)**:
- **Abandonment**:

### Casing:
- **Type**: Plastic
- **Depth (m)**: 19.8
- **Bottom (m)**: 19.8
- **OD (mm)**: 141.2
- **Thickness (mm)**: 0.0
- **Seal Type**:
- **from (m)**: to

### Liner:
- **Type**:
- **OD (mm)**, Thickness (mm):
- **Top (m)**, **Bottom (m)**:
- **Perforated How**:
- **from (m)**: **to**
- **Size**:
- **from (m)**: **to**
- **Size**:
- **from (m)**: **to**

### Screen:
- **Material**: St
- **OD (mm)**: 0.9
- **from (m)**: 19.8 to 21.3
- **Size**: 0.01
- **from (m)**: to
- **Size**:
- **from (m)**: to

### Open Hole:
- **from (m)**: to

### Pump:
- **Model**: Intake (m):

### Testing:
- **Rate (lpm)**: 31.9
- **Time (minute)**: 420.0
- **Level End (m)**: 7.6
- **Drawdown (m)**: 3.1
- **Rec'd intake (m)**: Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminum**
- **Barium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **pH (pH unit)**
- **COD**
- **SAR**
- **TKN**
- **Nitrate**
- **Nitrite**
- **Arsenic**
- **Beryllium**
- **Barium**
- **Manganese**
- **Beryllium**
- **Cadmium**
- **Chromium**
- **Cobalt**
- **Copper**
- **Lead**
- **Nitrate & Nitrite**

### Electric Log:
- **Transmissivity**: m²/day
- **Gamma Log**: Storativity:
- **Aquifer Test**: No
- **AEP Data**: Yes

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**printed on 2/20/98**
**Well Number:** 01435  
**Well Owner:** Hay, Gordon  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 65.2 m  
- **NPWL (m):** 16.8  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 30.8  
- **Bottom (m):** 30.8  
- **OD (mm):** 114.2  
- **Thickness (mm):**  
- **Seal Type:** Formation Packers  
- **from (m):** to 30.8  

### Liner:
- **Type:**  
- **OD (mm):** 114.2  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):** 64.3  
- **Perforated How:** Torch  
- **from (m):** to 64.3  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 9.1  
- **Time (minute):** 420.0  
- **Level End (m):** 51.8  
- **Completed Depth:** 35.0  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27  

---

**Depth Elevations**

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<th>(m)</th>
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<td>19.5</td>
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<td>21.6</td>
<td>689.4</td>
<td>Sand &amp; Coal</td>
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<td>27.4</td>
<td>683.6</td>
<td>Clay &amp; Rocks Blue</td>
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<tr>
<td>28.7</td>
<td>682.4</td>
<td>Shale Gray</td>
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<td>29.3</td>
<td>681.7</td>
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<td>645.8</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**printed on 2/20/98**
**NE 17-052-27 W4M**

**Well Number:** 01436

**Well Owner:** Krygsveld, W.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 710

**Licence No.:** Easting: 70,286.34

**Date Started:** Northing: 5,925,645.50

**Date Completed:**

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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</tr>
<tr>
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<tr>
<td>Sodium</td>
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<td>Nitrite</td>
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<td>Chromium</td>
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<td>Iron</td>
<td>Cobalt</td>
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<td>TOC</td>
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<td>Silica</td>
<td>Lead</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>Phosphate</td>
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<td>Total Nitrate</td>
<td>Ion Balance</td>
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<td>Total Nitrite</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Total Cobalt</td>
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<td>Silica</td>
<td>Lead</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 01436

**Elevation (AMSL) (m):** 710

**Licence No.:**

**Date Started:**

**Date Completed:**

---

**AEP Data:** Yes

**Well Field Verified:** No

**Database:** 1.000H

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**AER Data:** Yes
**NE 17-052-27 W4M**

**Well Number:** 01437

**Well Owner:** O'Brien, Gerry

**Drilling Contractor:** Banks Well Service

**Elevation (AMSL) (m):** 711  
**AEP:** 218200  
**Licence No.:** 70,391.81  
**Date Started:** 29 Nov 77  
**Easting:** 5,925,440.00  
**Date Completed:** 30 Nov 77

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 24.4  
  **Bottom (m):** 24.4
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.0
- **Seal Type:** Packer & Puddled Cla

### Liner:
- **Type:**
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.0
- **Top (m):** 24.4  
  **Bottom (m):** 48.8

### Perforated How:
- **from (m):** 26.8  
  **to:** 48.8
- **Size:**
- **from (m):** to  
  **to:** Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to  
  - **to:** Size:
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:** Intake (m): 30.5

### Testing:
- **Rate (lpm):** 36.5  
  **Time (minute):** 120.0
- **Level End (m):** 27.4  
  **Drawdown (m):** 27.4
- **Rec'd intake (m):** 
  **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Pump:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **AEP Data:** Yes
- **Database:** 1.000H

### Lithologic Description:
- **Depth (BGL) (m):**
- **Lithologic Description (m) (m):**
  - 4.6 706.4 Clay & Sand
  - 24.4 686.6 Sand
  - 25.6 685.4 Sandstone Hard
  - 29.9 681.1 Sand & Sandstone
  - 35.0 676.0 Shale
  - 48.8 662.2 Sandstone

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
Well Owner: Ripco, Paul
Drilling Contractor: Cobob Pumps And Services Ltd.

General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

Completed Depth: **91.4 m**
NPWL (m): **6.1** Verified NPWL (m): **0.1**
**Abandonment:**
- **Type:** Plastic
  - Depth (m): **32.6** Bottom (m): **32.6**
  - OD (mm): **152.4** Thickness (mm): **0.1**
- **Seal Type:** Beneal
  - from (m): to

**Liner:**
- **Type:**
  - OD (mm): **114.3** Thickness (mm): **0.1**
- **Top (m):** **30.5** Bottom (m): **91.4**
- **Perforated How:** Saw
  - from (m): **67.1** to **91.4** Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm): from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:** Gould
- **Model:** 5g05422
- **Intake (m):** **67.1**

**Testing:**
- **Rate (lpm):** **9.1**
- **Time (minute):** **420.0**
- **Level End (m):** **67.1**
- **Drawdown (m):** **61.0**
- **Rec’d intake (m):** **64.0**
- **Rec’d Rate (lpm):** **9.1**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 01438**

Elevation (AMSL) (m): **711**
AEP: **167026**
- **Licence No.:**
  - **Easting:** **70,043.36**
  - **Northing:** **5,925,630.50**

**Date Started:** 15 Jun 92
**Date Completed:** 17 Jun 92

**Depth Elevation**

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<th>(m)</th>
<th>(m)</th>
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<tbody>
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<td>5.5</td>
<td>705.5</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>17.1</td>
<td>693.9</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>25.0</td>
<td>686.0</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>27.1</td>
<td>683.9</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>29.0</td>
<td>682.1</td>
<td>Shale Green</td>
</tr>
<tr>
<td>29.9</td>
<td>681.1</td>
<td>Sandstone</td>
</tr>
<tr>
<td>34.1</td>
<td>676.9</td>
<td>Shale Green</td>
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<td>40.8</td>
<td>670.2</td>
<td>Shale &amp; Sandstone Ledges, Green</td>
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<td>43.9</td>
<td>667.1</td>
<td>Shale Brown</td>
</tr>
<tr>
<td>45.4</td>
<td>665.6</td>
<td>Sandstone</td>
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<td>46.6</td>
<td>664.4</td>
<td>Shale Brown</td>
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<td>47.9</td>
<td>663.2</td>
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<td>49.7</td>
<td>661.3</td>
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<td>56.1</td>
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<td>91.4</td>
<td>619.6</td>
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</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:** Database: **1.000H**

**AEP Data:** Yes
**Well Field Verified:** No
**NE 17-052-27 W4M**

Well Owner: *Shutz, Harvey*

Drilling Contractor: *Summers, David Drilling*

---

**General:**
- **Type of Work:** *New Well*
- **Drilling Method:** *Rotary*
- **Well Use:** *Domestic*
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 3.7
- **Verified NPWL (m):**
- **Abandonment:**
  - Type: *Plastic*
  - Depth (m): 29.9
  - Bottom (m): 29.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** *Bentonite Chips/Tablet*
- **from (m):** to 29.9

**Casing:**
- **Type:** *Plastic*
- **Depth (m):** 29.9
- **Bottom (m):** 29.9
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 54.9
- **Perforated How:** *Saw*
- **from (m):** 42.7 to 54.9
- **from (m):** to 54.9
- **from (m):** to 54.9

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 48.8
- **Testing:**
  - **Rate (lpm):** 18.2
  - **Time (minute):** 120.0
  - **Level End (m):** 48.8
  - **Drawdown (m):** 45.1
  - **Rec'd intake (m):** 48.8
  - **Rec'd Rate (lpm):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
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<td>10.7</td>
<td>698.2</td>
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<td>22.9</td>
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<td>33.5</td>
<td>675.4</td>
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<td>34.4</td>
<td>674.5</td>
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<tr>
<td>36.0</td>
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<td>Sandstone</td>
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<tr>
<td>43.3</td>
<td>665.6</td>
<td>Shale Gray</td>
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</tr>
<tr>
<td>54.9</td>
<td>654.1</td>
<td>Shale Brown</td>
</tr>
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</table>

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
SE 17-052-27 W4M

Well Number: 01440

Well Owner: Horsley, Brad
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 712
AEP: 260128
Licence No.: Easting: 70,155.09
Date Started: 27 Aug 95
Northing: 5,924,313.00
Date Completed: 27 Aug 95

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 50.3 (m)
- NPWL (m): 3.7
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 25.3
- Bottom (m): 25.3
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Formation Seal
- from (m): to 25.3

Liner:
- Type:
- OD (mm): 127.0
- Thickness (mm): 0.1
- Top (m): 23.8
- Bottom (m): 49.4
- Perforated How: Saw
- from (m): to 49.4
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 19.8
- Rate (lpm): 34.2
- Time (minute): 120.0
- Level End (m): 16.8
- Drawdown (m): 13.1
- Rec'd Rate (lpm): 19.8
- Rec'd intake (m): 31.9

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS
- Sodium
- Nitrate
- Potassium
- Nitrite
- Calcium
- TN
- Magnesium
- TC
- Carbone
- DIC
- Bicarbonate
- Arsenic
- Aluminum
- Barium
- Sulphate
- Beryllium
- Chloride
- Cadmium
- Fluoride
- Chromium
- Iron
- TOC
- Total Hardness
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**SE 17-052-27 W4M**

**Well Number:** 01441  
**Well Owner:** Pine Valley Carriers  
**Drilling Contractor:** Summer’s Drilling Ltd.

<table>
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<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tr>
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<td>(BGL) (AMSL)</td>
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<td>Elevation (AMSL) (m): 713</td>
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<td>Completed Depth 64.0 (m)</td>
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<td>NPWL (m): 6.7</td>
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<td>Abandonment:</td>
<td>Date Completed: 29 Nov 90</td>
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</table>

| Casing: |  |
| Type: Steel | 6.1 706.9 Sand |
| Depth (m): 37.8 | 17.1 695.9 Clay & Silt Blue |
| Bottom (m): 37.8 | 22.9 690.2 Sand & Gravel |
| OD (mm): 141.2 | 27.4 685.6 Shale Gray |
| Thickness (mm): 0.1 | 38.1 674.9 Shale Green |
| Seal Type: Welded Ring | 44.2 668.8 Shale Gray |
| from (m): | 46.9 666.1 Siltstone Gray |
| to 37.8 | 47.9 665.2 Sandstone Gray |

| Liner: | 53.0 660.0 Shale Gray |
| Type: | 58.5 654.5 Sandstone Gray |
| OD (mm): 114.3 | 59.7 653.3 Shale Gray |
| Thickness (mm): 0.1 | 64.0 649.0 Sandstone Gray |
| Top (m): 27.4 |  |
| Bottom (m): 64.0 |  |

| Perforated How: |  |
| Size: |  |
| from (m): 57.9 |  |
| to 64.0 |  |
| from (m): |  |
| to |  |
| from (m): |  |
| to |  |

| Screen: |  |
| Material: |  |
| OD (mm): |  |
| from (m): |  |
| to |  |
| from (m): |  |
| to |  |

| Open Hole: |  |
| from (m): |  |
| to |  |

| Pump: |  |
| Model: | Intake (m): 27.4 |
| Testing: |  |
| Rate (lpm): 50.2 | Time (minute): 1440.0 |
| Level End (m): 13.7 | Drawdown (m): 7.0 |
| Rec’d intake (m): | Rec’d Rate (lpm): 45.6 |

| Laboratory: |  |
| pH (pH unit): | COD Mercury |
| Cond. (µS/cm): | SAR Nickel |
| TDS | TKN Selenium |
| Sodium | Nitrate Strontium |
| Potassium | Nitrite Molybdenum |
| Calcium | TN Vanadium |
| Magnesium | TC Zinc |
| Carbonate | DIC Hydroxide |
| Bicarbonate | Arsenic Total Hardness |
| Aluminum | Barium Manganese |
| Sulphate | Beryllium Phosphorus |
| Chloride | Cadmium Ion Balance |
| Fluoride | Chromium Amm. Nitrogen |
| Iron | Cobalt Total Phosphate |
| TOC | Copper Total Alkalinity |
| Silica | Lead Nitrate&Nitrite N |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.3 m
  - NPWL (m): 4.6
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
  - Depth (m): 39.3
  - Bottom (m): 39.3
  - OD (mm): 114.3
- **Seal Type:** Welded Ring
  - from (m): 22.9
  - to

**Liner:**
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm):
  - Top (m):
  - Bottom (m): 39.3
- **Perforated How:** Torch
  - from (m): 22.9
  - to 39.3
  - Size:
  - from (m):
  - to
  - Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to
  - from (m): to
  - from (m): to

**Open Hole:**
- from (m): to

**Pump:** Sub
- **Model:**
  - Intake (m): 36.6

**Testing:**
- **Rate (lpm):** 18.2
  - Time (minute): 240.0
  - Level End (m): 36.6
  - Drawdown (m): 32.0
  - Rec'd intake (m): 36.0
  - Rec'd Rate (lpm): 18.2

**Laboratory:**
- **pH (pH unit):** COD
  - Concentration (µS/cm):
  - SAR
  - TDS
  - Sodium
  - Nitrate
  - Potassium
  - Calcium
  - Magnesium
  - Carbonate
  - Bicarbonate
  - Aluminium
  - Sulphate
  - Chloride
  - Fluoride
  - Iron
  - TOC
  - Silica
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SW 17-052-27 W4M**

**Well Owner:** Hancock, Robert  
**Drilling Contractor:** D&D Water Well Drilling & Services

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(BGL)</td>
<td>(AMSL)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Iron Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 35.4
- **Bottom (m):** 35.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
- **from (m):** 34.1
- **to:** 35.4

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 54.9
- **Perforated How:** Other
- **from (m):** 36.6
- **to:** 42.7
- **Size:**
- **from (m):** 42.7
- **to:** 48.8
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:** Gould
- **Model:** 7g05422
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 180.0
- **Level End (m):** 30.5
- **Drawdown (m):** 24.4
- **Rec'd Rate (lpm):** 33.5
- **Rec'd intake (m):** 31.9

**Laboratory:**

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

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<td>54.9</td>
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<td>Shale Gray</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 20.7 m
- **NPWL (m):** 68,315.73
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **Open Hole:** from (m): to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
### NE 18-052-27 W4M

**Well Owner:** Mayer, Jerry  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 714  
**AEP:** 160149  
**Date Started:** 17 Oct 91  
**Date Completed:** 18 Oct 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 7.0  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 25.6  
- **Bottom (m):** 25.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Welded  
- **from (m):** to 25.6

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 24.4  
- **Bottom (m):** 54.9

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 54.7  
- **Time (minute):** 120.0  
- **Level End (m):** 21.3  
- **Drawdown (m):** 14.3  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **No**  
### Gamma Log:
- **No**  
### Aquifer Test:
- **No**  
### Project:
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**NE 18-052-27 W4M**

**Well Owner:** Rachuck, Bob  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 716  
**AEP:** 162007  
**Licence No.:** Easting: 68,713.58  
**Date Started:** 28 Nov 91  
**Northing:** 5,925,469.50  
**Date Completed:** 29 Nov 91

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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 51.8 (m)  
- **NPWL (m):** 14.6  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 24.4  
- **Bottom (m):** 24.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 24.4

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 21.3  
- **Bottom (m):** 51.8  
- **Perforated How:** Saw  
- **from (m):** 36.6 to 51.8  
- **Size:**
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **to (m):** Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):** 36.6  
- **Rate (lpm):** 22.8  
- **Time (minute):** 170.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 21.9  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

**Testing:**
- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **TOC:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 17.4 (m)
NPWL (m): 4.9
Abandonment:
Casing:
Type: Plastic
Depth (m): 12.2
Bottom (m): 12.2
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): 10.7 to 11.9
Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material: St
OD (mm): 1.2
from (m): 12.2 to 13.7
Size: 0.01
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model:
Intake (m): 13.7
Testing:
Rate (lpm): 91.2
Time (minute): 420.0
Level End (m): 12.2
Drawdown (m): 7.3
Rec'd intake (m): 9.1
Rec'd Rate (lpm): 54.7

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminum:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:
Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 01449  

**Well Owner:** Pinno  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 716  
**AEP:** 156717  
**Date Started:**  
**Northing:** 5,925,446.00  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth (m):** NPWL (m):  
- **Abandonment:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **Seal Type:** from (m): to  
  - **Liner:** Type:  
    - **OD (mm):** Thickness (mm):  
    - **Top (m):** Bottom (m):  
    - **Perforated How:** from (m): to Size:  
  - **Screen:** Material:  
    - **OD (mm):** from (m): to Size:  
    - **from (m):** to Size:  
  - **Open Hole:** from (m): to  
  - **Pump:** Model: Intake (m):  
  - **Testing:** Rate (lpm): Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

| Electric Log: No | Transmissivity: m²/day | Gamma Log: No | Storativity: | Aquifer Test: No | Project: Database: 1.000H | AEP Data: Yes | Well Field Verified: No |
Well Number: 01450

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Rotary
- **Well Use:** Domestic
  - **Completed Depth:** 39.6 (m)
  - **NPWL (m):** 22.9
  - **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
  - **Depth (m):**
  - **OD (mm):**
  - **Seal Type:**
  - **Shape:**
    - **from (m):**
    - **Thickness (mm):**
    - **to**

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
  - **Perforated How:**
    - **from (m):**
    - **to**
    - **Size:**
    - **from (m):**
    - **to**
    - **Size:**
    - **from (m):**
    - **to**
    - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to**
  - **Size:**

**Open Hole:**
- **from (m):**
  - **to**

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrates:**
- **Selenium:**
- **Strontium:**
- **Carbonate:**
- **Hydroxide:**
- **Arsenic:**
- **Sodium:**
- **Manganese:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Sodium:**
- **Zinc:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
Well Number: 01451

Well Owner: Frank, Dale
Drilling Contractor: McGinn, Gerald Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.5 m
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 29.3
- **Bottom (m):** 29.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 29.3

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 26.2
- **Bottom (m):** 50.6
- **Perforated How:** Saw
- **from (m):** to 50.6
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **Thickness (mm):**
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 30.5
- **Drawdown (m):** 21.3
- **Rec'd Rate (lpm):** 30.5
- **Rec'd intake (m):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Hydroxide
- **Aluminum:** Arsenic
- **Beryllium:** Total Hardness
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Cyr, Maryann
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 714
AEP: 258557
Licence No.: Bar-K Water Well Drilling Ltd.
Date Started: 04 Jul 95
Date Completed: 06 Jul 95
Easting: 67,462.38
Northing: 5,926,146.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 64.0 (m)
NPWL (m): 9.1
Abandonment:

Casing:
Type: Plastic
Depth (m): 28.4
Bottom (m): 28.4
OD (mm): 152.4
Thickness (mm): 0.1
Abandonment:

Seal Type: Driven & Shale Trap
from (m): 28.4
to:

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 27.1
Bottom (m): 64.0

Perforated How: Machine
from (m): 57.9
to 64.0
Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Sub
Intake (m): 54.9

Testing:
Rate (lpm): 22.7
Time (minute): 120.0
Level End (m): 18.3
Drawdown (m): 9.1
Rec'd Rate (lpm): 42.7
Rec'd intake (m): 27.4

Laboratory:
COD
pH (pH unit)
Manganese
Porphyrins
Porphyrin derivative
Transmissivity:

Gamma Log:
Aquifer Test:

Electric Log:

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**
- Type of Work: *New Well*
- Drilling Method: *Rotary*
- Well Use: *Domestic*
- Completed Depth: 48.8 (m)
- NPWL (m): 4.6
- Abandonment:

**Casing:**
- Type: *Steel*
- Depth (m): 27.4
- Bottom (m): 27.4
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: *Driven*
- from (m): to 27.4

**Liner:**
- Type: *Driven*
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 3.7
- Bottom (m): 48.8
- Perforated How: *Machine*
- from (m): to 48.8
- Size: Size: Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Sub
- Model:
- Intake (m): 38.1

**Testing:**
- Rate (lpm): 20.5
- Time (minute): 240.0
- Level End (m): 36.9
- Drawdown (m): 32.3
- Rec'd intake (m): 38.1
- Rec'd Rate (lpm): 18.2

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): Mercury
- TDS: SAR
- Sodium: Nickel
- Potassium: TKN
- Calcium: Selenium
- Magnesium: Vanadium
- Carbonate: Zinc
- Bicarbonate: Hydroxide
- Nitrate: Total Hardness
- Barium: Arsenic
- Sulphate: Molybdenum
- Beryllium: Phosphate
- Chloride: Ion Balance
- Fluoride: Amm. Nitrogen
- Iron: Cobalt
- TOC: Total Phosphate
- TOC: Copper
- Silica: Total Alkalinity
- TOC: Lead
- Bicarbonate, DI
- Calcium, TDS

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Depth Elevation (BGL) (AMSL)**

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<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>3.1</td>
<td>707.0</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>18.3</td>
<td>691.7</td>
<td>Clay Soft Gray</td>
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<tr>
<td>21.3</td>
<td>688.7</td>
<td>Sand Brown</td>
</tr>
<tr>
<td>22.9</td>
<td>687.1</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>26.8</td>
<td>683.2</td>
<td>Shale Sandy</td>
</tr>
<tr>
<td>30.5</td>
<td>679.5</td>
<td>Shale Greenish Gray</td>
</tr>
<tr>
<td>30.8</td>
<td>679.2</td>
<td>Sandstone</td>
</tr>
<tr>
<td>32.0</td>
<td>678.0</td>
<td>Shale Green</td>
</tr>
<tr>
<td>36.6</td>
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<td>38.1</td>
<td>671.9</td>
<td>Shale Gray</td>
</tr>
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<td>671.3</td>
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<td>39.3</td>
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<td>41.5</td>
<td>668.6</td>
<td>Shale Greenish Gray</td>
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<td>43.9</td>
<td>666.1</td>
<td>Shale &amp; Sandstone Sandy Gray</td>
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<td>664.3</td>
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<td>48.2</td>
<td>661.8</td>
<td>Sandstone</td>
</tr>
<tr>
<td>48.8</td>
<td>661.2</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

**Database:**
- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Elevation (AMSL) (m): 710**
- Licence No.: 169111
- Easting: 70,285.19
- Northing: 5,925,657.50
- Date Started: 28 Mar 92
- Date Completed: 29 Mar 92

**Well Number 01453**

**Drilling Contractor:** Arts, Rene Well Drilling & Servicing

**Well Owner:** Krygsveld, Bill

**Printed on 2/20/98**
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 68.6 (m)
NPWL (m): 5.5
Verified NPWL (m):
Abandonment:
Casing:
Type: Plastic
Depth (m): 29.9
Bottom (m): 29.9
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 29.9
Liner:
Type:
OD (mm): 127.0
Thickness (mm): 0.1
Top (m): 28.4
Bottom (m): 67.7
Perforated How: Saw
from (m): 29.9 to 67.7
Size:
from (m): to
Size:
Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:
Open Hole:
from (m): to
Pump: Sub
Model: Jacuzzi
Intake (m): 25.9
Testing:
Rate (lpm): 22.8
Time (minute): 120.0
Level End (m): 21.3
Drawdown (m): 15.9
Rec'd intake (m): 25.9
Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD
SAR
TKN
Nitrate
Nitrite
Molybdenum
TN
TC
DIC
Arsenic
Barium
Beryllium
Chromium
Chromium
Cobalt
Copper
Lead

Mercury
Nickel
Selenium
Strontium
Molybdenum
Vanadium
Zinc
Hydroxide
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate-Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Owner: Chechora, Larry/Diane
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 715
Licence No.: Easting: 69,881.38
Date Started: 09 Jan 95
Northing: 5,926,128.50
Date Completed: 10 Jan 95

Depth Elevation
(BGL) (AMSL)

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<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>7.0</td>
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<td>Clay Yellow</td>
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<td>12.2</td>
<td>702.7</td>
<td>Clay Soft Blue</td>
</tr>
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<td>18.3</td>
<td>696.6</td>
<td>Clay &amp; Sand</td>
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<tr>
<td>24.4</td>
<td>690.5</td>
<td>Clay Blue</td>
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<tr>
<td>31.1</td>
<td>683.8</td>
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<td>37.2</td>
<td>677.7</td>
<td>Shale Sandy Gray</td>
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<td>52.7</td>
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<td>Coal</td>
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<tr>
<td>68.6</td>
<td>646.3</td>
<td>Shale Brittle Gray</td>
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</tbody>
</table>

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 25.9 (m)
- **NPWL (m):** 6.1
- **Veriﬁed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 20.4
- **Bottom (m):** 20.4
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:**
  - from (m): 0
  - to

### Liner:
- **Type:**
- **OD (mm):**
  - from (m): 0.9
  - to 23.2
- **Thickmess (mm):** 0.01
- **Perforated How:**
  - from (m): 0
  - to
  - Size:
  - from (m): 0
  - to
  - Size:

### Screen:
- **Material:** St
- **OD (mm):** 20.4
- **Bottom (m):**
- **Thickness (mm):**
  - from (m): 20.4
  - to 23.2
- **Size:** 0.01
- **Perforated How:**
  - from (m): 0
  - to
  - Size:

### Open Hole:
- **from (m):**
- **to 0

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 9.1
- **Drawdown (m):** 3.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Nitrate:**
- **Vanadium:**
- **Beryllium:**
- **Phosphate:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Alkalinity:**
- **TOC:**
- **Copper:**
- **Total Nitrate:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1,000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
**SE 20-052-27 W4M**

**Well Owner:** King Industries  
**Drilling Contractor:** Summers, David Drilling

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth (m):** 41.2  
- **NPWL (m):** 5.2  
- **Abandonment:**

### Casting:
- **Type:** Plastic  
- **Depth (m):** 36.9  
- **Bottom (m):** 36.9  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips / Tabl

### Liner:
- **Type:**
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**
- **Bottom (m):**

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 36.9  
- **Bottom (m):** 38.4  
- **Size:** 0.02

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 136.8  
- **Time (minute):** 120.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 25.3  
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):** SAR  
- **Nickel:**  
- **TDS:** TKN  
- **Selenium:**  
- **Nitrate:** Sodium  
- **Strontium:** Potassium

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
### SE 20-052-27 W4M

**Well Owner:** O'Toole, Donna  
**Drilling Contractor:** Unknown Driller  

**Well Number:** 01457  
**Elevation (AMSL) (m):** 708  
**AEP:** 215726  
**Licence No.:** Easting: 70,498.55  
**Date Started:** Northing: 5,925.991.00  

**Well Details:**
- **Well Use:** Domestic  
- **Type of Work:** Chemistry  
- **Elevation (AMSL) (m):** 708  
- **Licence No.:** Easting: 70,498.55  
- **Date Started:** Northing: 5,925.991.00  
- **Completed Depth:** 34.1 (m)  
- **NPWL (m):** Yes  
- **Verified NPWL (m):** No  
- **Abandonment:** No  

**Casing:**
- **Type:** Unknown  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

**Liner:**
- **Type:** Unknown  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:** from (m): to  

**Screen:**
- **Material:** Unknown  
- **OD (mm):** Thickness (mm):  
- **from (m):** Size:  
- **from (m):** Size:  
- **from (m):** Size:  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:** Intake (m):  

**Testing:**
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 20.4 m
- **NPWL (m):** Verified NPWL (m): Abandonment:
- **Type:**
  - Depth (m):
  - OD (mm): Thickness (mm):
- **Seal Type:**
  - from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:
- **Open Hole:**
  - from (m): to
- **Pump:**
  - **Model:**
  - Intake (m):
- **Testing:**
  - **Rate (lpm):**
  - Time (minute):
  - **Level End (m):**
  - **Drawdown (m):**
  - Rec'd intake (m):
  - Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27
Well Number: **01459**

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)  
  **NPWL (m):** 12.2  
  **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 51.8  
    **Bottom (m):** 51.8  
  - **OD (mm):** 139.7  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Driven  
  - **from (m):** 47.2  
    **to:** 51.8
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Top (m):** 48.8  
  - **Bottom (m):** 64.0  
  - **Perforated How:** Hand Drill  
  - **from (m):** 53.0  
    **to:** 54.0  
  - **from (m):** 54.9  
    **to:** 61.0  
  - **from (m):** 61.6  
    **to:** 61.8
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to  
    **Size:**
  - **from (m):** to  
    **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 64.0
- **Testing:**
  - **Rate (lpm):** 2.3  
  - **Time (minute):** 480.0  
  - **Level End (m):** 61.0  
  - **Drawdown (m):** 48.8  
  - **Rec'd intake (m):** 54.9  
  - **Rec'd Rate (lpm):** 4.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Molybdenum:**
- **TC:**
- **DIC:**
- **Arsenic:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Cadmium:**
- **Iron:**
- **Strontium:**
- **Lead:**
- **Magnesium:**
- **Manganese:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

### Lithologic Description
<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.4</td>
<td>707.6</td>
<td>Till Sandy</td>
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<tr>
<td>7.6</td>
<td>706.4</td>
<td>Clay Brown</td>
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<td>29.6</td>
<td>684.4</td>
<td>Coal Sandy Brown</td>
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<td>31.4</td>
<td>682.6</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>44.2</td>
<td>669.8</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>45.1</td>
<td>668.9</td>
<td>Clay Blue</td>
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<tr>
<td>47.2</td>
<td>666.8</td>
<td>Sand &amp; Coal</td>
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<td>665.5</td>
<td>Clay Blue</td>
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<td>50.0</td>
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<td>Shale Bentonitic</td>
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<td>53.3</td>
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<td>Shale Greenish Gray</td>
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<td>660.1</td>
<td>Coal</td>
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<td>57.0</td>
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<td>57.9</td>
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<td>651.5</td>
<td>Coal</td>
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<td>62.8</td>
<td>651.2</td>
<td>Shale Brown</td>
</tr>
<tr>
<td>64.0</td>
<td>650.0</td>
<td>Shale Gray</td>
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### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 01460

**Well Owner:** Stahl, Ed

**Drilling Contractor:** Double R Drig

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<tr>
<th>General:</th>
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<td><strong>Type of Work:</strong> New Well</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 68.6 m</td>
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<tr>
<td><strong>NPWL (m):</strong> 12.2</td>
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<td><strong>Bottom (m):</strong> 54.0</td>
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<td><strong>OD (mm):</strong> 152.4</td>
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<th>Seal Type: Driven &amp; Shale Trap</th>
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<tr>
<td><strong>from (m):</strong> to 50.3</td>
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<table>
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<tr>
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<tr>
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<tr>
<td><strong>Top (m):</strong> 49.4</td>
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<td><strong>Bottom (m):</strong> 68.6</td>
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<table>
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<th>Perforated How: Machine</th>
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<tr>
<td><strong>from (m):</strong> to 68.6</td>
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<tr>
<td><strong>Size:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to Size:</td>
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<td><strong>from (m):</strong> to Size:</td>
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<th>Screen:</th>
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<td><strong>Material:</strong></td>
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<td><strong>OD (mm):</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to Size:</td>
</tr>
<tr>
<td><strong>from (m):</strong> to Size:</td>
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<tr>
<td><strong>from (m):</strong> to Size:</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
</tr>
</thead>
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<tr>
<td><strong>from (m):</strong> to</td>
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<thead>
<tr>
<th>Pump:</th>
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<td><strong>Model:</strong></td>
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<td><strong>Intake (m):</strong> 51.8</td>
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<th>Testing:</th>
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<td><strong>Rate (lpm):</strong> 18.2</td>
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<td><strong>Time (minute):</strong> 540.0</td>
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<td><strong>Level End (m):</strong></td>
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<td><strong>Drawdown (m):</strong></td>
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<td><strong>Rec'd intake (m):</strong></td>
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<td><strong>Rec'd Rate (lpm):</strong></td>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>TDS:</strong></td>
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<td><strong>Sodium:</strong></td>
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<td><strong>Potassium:</strong></td>
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<tr>
<td><strong>Calcium:</strong></td>
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<td><strong>TOC:</strong></td>
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<td><strong>Total Alkalinity:</strong></td>
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<td><strong>Nitrate&amp;Nitrite:</strong></td>
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<td><strong>Lead:</strong></td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

<table>
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<th>Remarks:</th>
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<tr>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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<th>Depth Elevation</th>
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<td><strong>(m):</strong></td>
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<td>Storativity:</td>
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<td>Aquifer Test: No</td>
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<tr>
<td>Project: Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
</tr>
<tr>
<td>Well Field Verified: No</td>
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---

**Well Number:** NW 22-052-27 W4M  
**Well Owner:** Stahl, Ed  
**Drilling Contractor:** Double R Drig  
**Elevation (AMSL) (m):** 712  
**Licence No.:** 165154  
**Date Started:** 21 Jun 91  
**Easting:** 72,995.96  
**Date Completed:** 24 Jun 91  
**Northing:** 5,927,300.00  

---

**Remarks:**

---

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 01461

**Well Owner:** Shandrowsky, Karla

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 713

**Licence No.:** 168013

**Date Started:**

**Easting:** 73,794.31

**Northing:** 5,926,221.00

**Date Completed:**

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth** (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

**No Lithologic Information Available**

---

**Electric Log:** No

**Transmissivity:**

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Rec'd Rate:**

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
Well Owner: Shandrowsky, Karla
Drilling Contractor: Unknown Driller

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 97.5 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): to

Liner:
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate & Nitrite
  - Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### SE 22-052-27 W4M

**Well Owner:** W.Sopher Construction/J.Sopher  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

<table>
<thead>
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<td>Easting:</td>
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<td>Northing:</td>
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#### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 34.4 (m)
- **NPWL (m):** 9.1
- **Verified NPWL:**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth:** 31.1 (m), **Bottom:** 31.1 (m)
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 31.1 to 32.6 **Size:** 0.01
- **from (m):** to **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 13.4
- **Drawdown (m):** 4.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

#### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

#### Electric Log:
- **Transmissivity:** m²/day

#### Gamma Log:
- **Storativity:**

#### Aquifer Test:
- **Project:**
- **Database:** 1.000H

#### AEP Data:
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 35.0 m
- **NPWL (m):** 5.5
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

## Seal Type:
- **Shale Trap & Bentonite**
- **from (m):** to 35.0

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):** 33.5
- **Bottom (m):** 58.5

## Perforated How:
- **Saw**
- **from (m):** 45.7
- **to:** 57.9
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **Bottom (m):**
- **Top (m):**

## Open Hole:
- **from (m):**
- **to:**

## Pump:
- **Model:**
- **Intake (m):** 58.5

## Testing:
- **Rate (lpm):** 66.1
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

## Laboratory:

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<td>Cond. (µS/cm)</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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## Electric Log:
- **No**

## Gamma Log:
- **No**

## Aquifer Test:
- **No**

## Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number 01464**

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<tr>
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<th>Elevation (BGL) (m)</th>
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<td>5.8</td>
<td>705.2</td>
<td>Clay Yellow</td>
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<tr>
<td>22.3</td>
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<td>27.7</td>
<td>683.3</td>
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<td>36.3</td>
<td>674.7</td>
<td>Shale Gray</td>
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<tr>
<td>36.9</td>
<td>674.1</td>
<td>Coal</td>
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<td>38.4</td>
<td>672.6</td>
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<tr>
<td>42.4</td>
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<td>44.5</td>
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<tr>
<td>46.9</td>
<td>664.1</td>
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<td>57.3</td>
<td>653.7</td>
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<td>58.5</td>
<td>652.5</td>
<td>Shale Gray</td>
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**Database: 1.000H**

---

**Remarks:**
- **Yes**
- **Well Field Verified: No**
**Well Number: 01465**

**Well Owner:** Royal Green Produce Farms

**Drilling Contractor:** Summer's Drilling Ltd.

**Elevation (AMSL) (m):** 711
**AEP:** 151112
**Licence No.:** New Well
**Date Started:** 24 Mar 90
**Easting:** 72,467.30
**Date Completed:** 26 Mar 90
**Northing:** 5,926,309.50

### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Irrigation
- **Completed Depth:** 25.6 (m)
  - **NPWL (m):** 2.4
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 25.6
- **Bottom (m):** 25.6
- **OD (mm):** 635.0
- **Thickness (mm):** 0.2
- **Seal Type:** Puddled Clay
- **from (m):** 3.7 to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:
- **Material:** St
- **OD (mm):** 7.3
- **from (m):** 23.5 to 24.1
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):** 22.6

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 180.0
- **Level End (m):** 9.1
- **Rec'd Rate (lpm):** 63.9
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **DIC:**
- **Bicarbonate:**
- **Barium:**
- **Blum:**
- **Pum:**
- **Arsenic:**
- **Nickel:**
- **Mercury:**
- **Selenium:**
- **Vanadium:**
- **Zinc:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Sulphate:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Cobalt:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Manganese:**
- **Nitrate:**
- **Nitrite:**
- **Phosphorus:**
- **Nitrous oxide:**
- **Nitrate:**
- **Carbonate:**
- **Barium:**
- **Manganese:**
- **Zinc:**
- **Magnesium:**
- **Calcium:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrified Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Treit, Candace
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 711
AEP: 258149
Licence No.: 72,467.30
Date Started: 31 Mar 95
Date Completed: 06 Apr 95

New Well
Rotary
5.5
Domestic
Clay Sandy Yellow
705.5
19.5
Clay Blue
93.6
691.5
Shale Green
59.7
651.3
Shale Gray
61.6
649.4
Sandstone
68.3
642.7
Shale Gray
71.9
639.1
Sandstone
78.3
632.7
Shale Gray
78.9
632.1
Shale & Coal Brown
79.8
631.2
Sandstone
84.7
626.3
Shale Gray
87.2
623.8
Sandstone
88.7
622.3
Shale Green
90.8
620.2
Sandstone
93.6
617.4
Shale Gray

Laboratory:
pH (pH unit) COD
Cond. (µS/cm) SAR
TDS TKN
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN
Magnesium TC
Carbonate DIC
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
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<th>General:</th>
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<td>Well Use: <strong>Domestic &amp; Stock</strong></td>
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<tr>
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<td>Bottom (m): <strong>50.9</strong></td>
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<td>OD (mm): <strong>152.4</strong></td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

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Well Number: **01467**

Well Owner: **Lewis Farms Ltd.**

Drilling Contractor: **Cobob Pumps And Services Ltd.**

Elevation (AMSL) (m): **717**

AEP: **158934**

Licence No.: **75318.84**

Date Started: **26 Jul 91**

Easting: **5,927,274.00**

Date Completed: **30 Aug 91**

Northing: **5,927,274.00**

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Water Well Positioned by PFRA in 10TM NAD 27

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*printed on 2/20/98*
**Well Number:** 01468

**Well Owner:** Lewis, Corrie

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 717

**AEP:** 169303

**Date Started:**

**Date Completed:**

**Licence No.:**

**Easting:** 74,704.88

**Northing:** 5,927,389.00

<table>
<thead>
<tr>
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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>Type of Work: Chemistry</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>Well Use: Domestic</td>
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<td></td>
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<tr>
<td>Completed Depth:</td>
<td>161.5</td>
<td>m</td>
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<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type:</td>
<td></td>
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</tr>
<tr>
<td>Depth (m):</td>
<td>Bottom (m):</td>
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</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
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<td></td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
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<td>Top (m):</td>
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<td>Size:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<td>OD (mm):</td>
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<td>Size:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Open Hole:</td>
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<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
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<tr>
<td>Model:</td>
<td>Intake (m):</td>
<td></td>
</tr>
<tr>
<td>Testing:</td>
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<tr>
<td>Rate (lpm):</td>
<td>Intake (m):</td>
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<tr>
<td>Time (minute):</td>
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<td></td>
</tr>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
<td></td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
<td></td>
</tr>
</tbody>
</table>

**Laboratory:**

- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 23-052-27 W4M**

**Well Owner:** Western Standardbred Farm/Gilr  
Drilling Contractor: McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
</tr>
</thead>
</table>
| **Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Stock  
**Completed Depth:** 49.4 (m)  
**NPWL (m):** 18.3  
**Verified NPWL (m):**  
**Abandonment:** |

<table>
<thead>
<tr>
<th>Casing:</th>
</tr>
</thead>
</table>
| **Type:** Plastic  
**Depth (m):** 39.3  
**Bottom (m):** 39.3  
**OD (mm):** 152.4  
**Thickness (mm):** 0.1 |

| Seal Type: Formation Seal  
from (m): to 39.3 |

<table>
<thead>
<tr>
<th>Liner:</th>
</tr>
</thead>
</table>
| **Type:**  
**OD (mm):**  
**Thickness (mm):**  
**Perforated How:**  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size: |

<table>
<thead>
<tr>
<th>Screen:</th>
</tr>
</thead>
</table>
| **Material:** St  
**OD (mm):** 1.5  
**from (m):** 39.3  
**to: 40.8**  
**Size:** 0.01  
**from (m):**  
**to:**  
Size:  
**from (m):**  
**to:**  
Size: |

<table>
<thead>
<tr>
<th>Open Hole:</th>
</tr>
</thead>
</table>
| **from (m):**  
**to:** |

<table>
<thead>
<tr>
<th>Pump:</th>
</tr>
</thead>
</table>
| **Model:**  
**Intake (m):** |

<table>
<thead>
<tr>
<th>Testing:</th>
</tr>
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</table>
| **Rate (lpm):** 63.9  
**Time (minute):** 420.0  
**Level End (m):**  
**Rec’d intake (m):**  
**Rec’d Rate (lpm):** 63.9 |

<table>
<thead>
<tr>
<th>Laboratory:</th>
</tr>
</thead>
</table>
| **pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS:**  
**Sodium:**  
**Potassium:**  
**Calcium:**  
**Magnesium:**  
**Carbonate:**  
**Bicarbonate:**  
**Barium:**  
**Aluminium:**  
**Sulphate:**  
**Chloride:**  
**Flouride:**  
**Iron:**  
**TOC:**  
**Silica:**  
**Laboratory:** |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Electric Log: No  
**Transmissivity:** m³/day  
Gamma Log: No  
**Storativity:**  
Aquifer Test: No  
**Project:**  
**Database:** 1.000H  
AEP Data: Yes  
**Well Field Verified:** No |

Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 720  
**AEP:** 227876  
**Licence No.:**  
**Date Started:** 18 Jun 93  
**Easting:** 74,318.56  
**Northing:** 5,927,348.00  
**Date Completed:** 18 Jun 93  
**Remarks:** No  
**Transmissivity:** m³/day  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number**: 01470

**Well Owner**: Reid, Carolyne

**Drilling Contractor**: Unknown Driller

**Elevation (AMSL) (m)**: 715

**Licence No.**

**Date Started**: 72,957.23

**Date Completed**: 5,926,304.50

**Chemistry**

- **Well Use**: Domestic
- **Type of Work**: Chemistry
- **Drilling Method**: Unknown
- **Well Use**: Domestic

**Completed Depth** (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing**
- **Type**:
- **Depth (m)**: Bottom (m):
- **OD (mm)**: Thickness (mm):
- **Seal Type**: from (m): to

**Liner**
- **Type**:
- **OD (mm)**: Thickness (mm):
- **Top (m)**: Bottom (m):
- **Perforated How**: from (m): to Size:
- **from (m): to** Size:
- **from (m): to** Size:

**Screen**
- **Material**: OD (mm):
- **from (m): to** Size:
- **from (m): to** Size:
- **from (m): to** Size:

**Open Hole**
- **Depth**: from (m): to

**Pump**
- **Model**: Intake (m):
- **Rate (lpm)**: Time (minute):
- **Level End (m)**: Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory**
- **pH (pH unit)**: COD Mercury
- **Cond. (µS/cm)**: SAR Nickel
- **TDS**: TKN Selenium
- **Sodium**: Nitrate Strontium
- **Potassium**: Nitrite Molybdenum
- **Calcium**: TN Vanadium
- **Magnesium**: TC Zinc
- **Carbonate**: DIC Hydroxide
- **Bicarbonate**: Arsenic Total Hardness
- **Aluminum**: Barium Manganese
- **Potassium**: Sulphate Beryllium Phosphate
- **Chloride**: Cadmium Ion Balance
- **Fluoride**: Chromium Amm. Nitrogen
- **Iron**: Cobalt Total Phosphate
- **TOC**: Copper Total Alkalinity
- **Silica**: Lead Nitrate&Nitrite N

**Remarks**:

Chemical Constituents are in mg/l (ppm), Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Database**: Project: AEP Data: Yes Well Field Verified: No

**Electric Log**: No Transmissivity: m²/day

**Gamma Log**: No Storativity:

**Aquifer Test**: No

**Project**: Database: 1.000H

**AEP Data**: Yes
**SE 24-052-27 W4M**

**Well Owner:** Gagne, George  
**Drilling Contractor:** Rodco Drilling

<table>
<thead>
<tr>
<th>Well Number</th>
<th>01471</th>
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**Elevation (AMSL) (m):** 714  
**AEP:** 163058  
**Date Started:** 29 Nov 91  
**Date Completed:** 10 Dec 91

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 29.0 (m)  
- **NPWL (m):** 9.8  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 18.3  
- **Bottom (m):** 18.3  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Benseal  
- **from (m):**  
- **to:**

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):**  
- **to:**  
- **Size:**

**Screen:**
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 16.8  
- **to:** 18.3  
- **Size:** 0.01

**Open Hole:**
- **from (m):**  
- **to:**

**Pump:**
- **Type:** Sub  
- **Model:** Jacuzzi  
- **Intake (m):** 16.8

**Testing:**
- **Rate (lpm):** 18.2  
- **Time (minute):** 240.0  
- **Level End (m):** 15.2  
- **Drawdown (m):** 5.5  
- **Rec'd Rate (lpm):**  
- **Rec'd Intake (m):**

**Laboratory:**
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<th>Value</th>
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<tr>
<td>TDS</td>
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<td>Sodium</td>
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<td>Zinc</td>
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<td>Arsenic</td>
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<tr>
<td>Beryllium</td>
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<td>AEP Data:</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**SE 25-052-27 W4M**

**Well Owner:** Tessier, Albert

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 715

**Licence No.:** Easting: 76,560.22

**Date Started:** Northing: 5,927,588.00

**Date Completed:**

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<th>Depth Elevation</th>
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<td>(BGL) (AMSL)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
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<td>Completed Depth 76.2 (m)</td>
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<td>NPWL (m): Verified NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
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</tr>
<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Type:</td>
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</tr>
<tr>
<td>Depth (m): Bottom (m):</td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Seal Type: from (m): to</td>
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<tr>
<td>Liner:</td>
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<tr>
<td>Type:</td>
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<td>OD (mm): Thickness (mm):</td>
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<td>Perforated How: from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m): to Size:</td>
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<tr>
<td>from (m): to Size:</td>
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<tr>
<td>Open Hole: from (m): to</td>
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</tr>
<tr>
<td>Pump:</td>
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</tr>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
</tr>
<tr>
<td>Testing:</td>
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<tr>
<td>Rate (lpm): Time (minute):</td>
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<tr>
<td>Level End (m): Drawdown (m):</td>
<td></td>
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<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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<tr>
<th>Laboratory</th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD Mercury</td>
<td>Gamma Log: No</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR Nickel</td>
<td>Aquifer Test: No</td>
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<tr>
<td>TDS</td>
<td>TKN Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite Molybdenum</td>
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<tr>
<td>Magnesium</td>
<td>TC Zinc</td>
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</tr>
<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
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<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
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<td>Aluminium</td>
<td>Barium Manganese</td>
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<td>Sulphate</td>
<td>Beryllium Phosphate</td>
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<td>Chloride</td>
<td>Cadmium Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt Total Phosphate</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
<td></td>
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</table>

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Number: 01473

Well Owner: Mclaughlin, Robert
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 718
Licence No.: 163231
Date Started: 
Easting: 73,943.72
Date Completed: 
Northing: 5,928,354.00

General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth: 27.7 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N
DIC

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
SE 26-052-27 W4M

Well Owner: Lewis Farms
Drilling Contractor: Cobob Pumps And Services Ltd.

Well Number 01474

Elevation (AMSL) (m): 714
AEP: 240720
Licence No.: 06 May 94
Date Started: 06 May 94
Date Completed: 12 May 94

Well Number: 01474

Licence No.: Easting: 75,091.60

Easting: 5,927,890.50

Well Use: Domestic

Completed Depth 121.9 (m)

NPWL (m): 22.6

Veriﬁed NPWL (m):

Abandonment:

Casing:

Type: Plastic

Depth (m): 44.8

Bottom (m): 44.8

OD (mm): 152.4

Thickness (mm): 0.1

Seal Type: Shale Trap & Bentonite

from (m): 42.1 to 43.3

Liner:

Type:

OD (mm): 114.3

Thickness (mm): 0.1

Top (m): 42.7

Bottom (m): 121.9

Perforated How: Saw

from (m): 97.5 to 115.8 Size:

from (m): to Size:

from (m): to Size:

Screen:

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

Open Hole:

from (m): to

Pump: Sub

Model: Jacuzzi

Intake (m): 91.4

Testing:

Rate (lpm): 11.4

Time (minute): 120.0

Level End (m): 91.4

Drawdown (m): 68.3

Rec'd Rate (lpm): Rec'd Intake (m): 91.4 9.1

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Project: Database: 1.000H

Electric Log: No
Gamma Log: No
Aquifer Test: No

Transmissivity: m²/day
Storativity:

AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** Verified NPWL (m): Unknown
- **Abandonment:** Unknown

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m): 
  - **OD (mm):** Thickness (mm): 
  - **Seal Type:** from (m): to 

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm): 
  - **Top (m):** Bottom (m): 
  - **Perforated How:** from (m): to Size: 
  - from (m): to Size: 
  - from (m): to Size: 

**Screen:**
- **Material:**
  - **OD (mm):** from (m): to Size: 
  - from (m): to Size: 

**Open Hole:**
- from (m): to 

**Pump:**
- **Model:** Intake (m): 
- **Testing:**
  - **Rate (lpm):** Time (minute): 
  - **Level End (m):** Drawdown (m): 
  - **Rec’d intake (m):** Rec’d Rate (lpm): 

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** Yes
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H

**Well Number 01475**
- **Elevation (AMSL) (m):** 710
- **AEP:** 240659
- **Licence No.:**
- **Date Started:** 72,526.76
- **Northing:** 5,927,510.00
- **Date Completed:** 03 Oct 72

**Depth**
- **Elevation (BGL) (AMSL)**
  - **(m) (m) Lithologic Description**
    - 6.1 703.6 Clay Silty Greenish Gray
    - 29.0 680.7 Sand Fine Grained
    - 33.5 676.1 Shale Silty Greenish Gray
    - 35.7 674.0 Sandstone Light Green
    - 38.1 671.6 Shale & Siltstone Greenish Gr
    - 42.7 667.0 Shale Silty Greenish Gray

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
**SE 27-052-27 W4M**

**Well Owner:** Mcauley Drilling  
**Drilling Contractor:** Mcauley Drilling Co. Ltd.

**Elevation (AMSL) (m):** 714  
**Easting:** 73,245.08  
**Northing:** 5,927,510.00

**Date Started:** 16 Jun 93  
**Date Completed:** 17 Jun 93

<table>
<thead>
<tr>
<th>General</th>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>3.4</td>
<td>710.2</td>
<td>Till Brown</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>16.8</td>
<td>696.8</td>
<td>Sand &amp; Coal Brown</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td>19.2</td>
<td>694.3</td>
<td>Sand &amp; Coal Gray</td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 32.0 (m)</td>
<td>21.3</td>
<td>692.2</td>
<td>Silt Gray</td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 10.7</td>
<td>29.0</td>
<td>684.6</td>
<td>Sand Gray</td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td>32.0</td>
<td>681.5</td>
<td>Till Gray</td>
</tr>
</tbody>
</table>

**Casing:**  
**Type:** Plastic  
**Depth (m):** 26.2  
**Bottom (m):** 26.2  
**OD (mm):** 152.4  
**Thickness (mm):** 0.1

**Seal Type:** Sand Pack  
**from (m):** to 18.3

**Liner:**  
**Type:**  
**OD (mm):**  
**Thickess (mm):**  
**Top (m):**  
**Bottom (m):**

**Screen:**  
**Material:** PI  
**OD (mm):** 1.6  
**from (m):** to 20.1  
**Bottom (m):** 26.2  
**Size:** 0.02

| Open Hole |  
|-----------|---|---|---|
| from (m): | to | | |

**Pump:**  
**Model:**  
**Intake (m):**

**Testing:**  
**Rate (lpm):** 136.8  
**Time (minute):** 420.0

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<thead>
<tr>
<th>Level End (m):</th>
<th>Drawdown (m):</th>
<th>Rec'd Rate (lpm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rec'd intake (m):</td>
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<td></td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>45.6</td>
<td></td>
</tr>
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</table>

**Laboratory:**  
**pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS:**  
**Sodium:**  
**Potassium:**  
**Calcium:**  
**Magnesium:**  
**Carbonate:**  
**Bicarbonate:**  
**Alumimium:**  
**Sulphate:**  
**Chloride:**  
**Fluoride:**  
**Iron:**  
**TOC:**  
**Silica:**  
**Laboratory:**  
**Laboratory:**  

<table>
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<tr>
<th>pH (pH unit):</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS:</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium:</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium:</td>
<td>Nitrate</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium:</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium:</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate:</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate:</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum:</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate:</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride:</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride:</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron:</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica:</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NE 29-052-27 W4M**

Well Owner: **Altheim, Arnold**

Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**Well Number 01478**

**Elevation (AMSL) (m): 708**

**AEP: 238529**

**Licence No.:**

**Date Started:** 07 Sep 93

**Date Completed:** 07 Sep 93

**Well Use:** Domestic

**Type of Work:** Dry Hole-Abandoned

**Drilling Method:** Rotary

**Completed Depth:** 93.6 (m)

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:** Cuttings 07 Sep 93

**Casing:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Depth (m):</th>
<th>Bottom (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seal Type:</td>
<td>Thickness (mm):</td>
<td>from (m): to (m):</td>
</tr>
</tbody>
</table>

**Liner:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
<td>from (m): to (m):</td>
</tr>
</tbody>
</table>

**Perforated How:**

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to (m):</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m):</td>
<td>to (m):</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to (m):</td>
<td>Size:</td>
</tr>
</tbody>
</table>

**Screen:**

<table>
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<tr>
<th>Material:</th>
<th>OD (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m):</td>
<td>to (m):</td>
</tr>
</tbody>
</table>

**Open Hole:**

| from (m): | to (m): |

**Pump:**

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
</tr>
</thead>
</table>

**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec’d intake (m):</td>
<td>Rec’d Rate (lpm):</td>
</tr>
</tbody>
</table>

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS:</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium:</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Potassium:</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Magnesium:</td>
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<td>Bicarbonate:</td>
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<td>Total Hardness</td>
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<td>Aluminium:</td>
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<td>Iron:</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC:</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica:</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

**Depth Elevation (BGL) (AMSL) (m):**

<table>
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<tr>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>(m)</td>
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<td>1.8</td>
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<td>5.5</td>
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<td>71.6</td>
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<tr>
<td>77.4</td>
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<tr>
<td>83.5</td>
</tr>
<tr>
<td>93.6</td>
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</tbody>
</table>

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

*printed on 2/20/98*
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 30.5 m
- **NPWL (m):** 6.1
- **Abandonment:**

## Casting:
- **Type:** Plastic
- **Depth (m):** 25.0 to 25.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 25.0

## Liner:
- **Type:** Plastic
- **OD (mm):**
- **Top (m):**
- **Perforated How:**
- **Size:**

## Screen:
- **Material:** St
- **OD (mm):** 12
- **from (m):** to 25.0
- **to 26.5
  - **Size:** 0.01
  - **from (m):** to
  - **Size:**

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** S8p4c02pf
- **Model:** Intake (m):

## Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 420.0
- **Level End (m):** 12.2
- **Drawdown (m):** 6.1
- **Rec'd Rate (lpm):** 12.2
- **Rec'd intake (m):** 91.2

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TN:**
- **TC:**
- **DIC:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Chemical Constituents are in mg/l (ppm). Except as noted.

## Water Well Positioned by PFRA in 10TM NAD 27

## Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 7.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 44.8
- **Bottom (m):** 44.8
- **OD (mm):** 127.0
- **Thickness (mm):**
- **Seal Type:** Formation Packer
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 60.0
- **Level End (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Magnesium:** TC
- **Calcium:** TN
- **Bicarbonate:** Asparagine
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- Transmissivity: m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **AEP Data:** Yes

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

- **Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 32-052-27 W4M**

**Well Owner:** Rotary Club Of Spruce Grove  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 702  
**AEP:** 257983  
**Licence No.:** Easting: 70,481.19  
**Date Started:** 11 Apr 95  
**Norting:** 5,930,557.00  
**Date Completed:** 13 Apr 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

### Completed Depth
- **NPWL (m):** 12.2  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 48.8  
- **Bottom (m):** 48.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

### Seal Type:
- **Formation Seal**
  - from (m):  
  - to 48.8

### Liner:
- **Type:**
  - **OD (mm):** 127.0  
  - **Thickness (mm):** 0.1  
- **Top (m):** 40.2  
- **Bottom (m):** 90.5

### Perforated How:
- **from (m):**  
- **to**  
- **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):**  
  - **to**
- **from (m):**  
  - **to**

### Open Hole:
- **from (m):**  
- **to**

### Pump:
- **Sub Model:** Gould  
- **Intake (m):** 73.2

### Testing:
- **Rate (lpm):** 6.8  
- **Time (minute):** 120.0  
- **Level End (m):** 70.1  
- **Drawdown (m):** 57.9  
- **Rec’d intake (m):** 73.2  
- **Rec’d Rate (lpm):** 4.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrites:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth
- **Lithologic Description**
  - **(m) (m)**  
  - **3.1 699.3 Clay Silty Yellow**
  - **5.5 696.8 Clay Silty Blue**
  - **7.0 695.3 Clay Yellow**
  - **18.9 683.4 Clay Blue**
  - **20.7 681.6 Shale Sandy Gray**
  - **26.5 675.8 Shale Dark Gray**
  - **33.5 668.8 Shale Sandy Gray**
  - **38.1 664.2 Shale Brittle Dark Gray**
  - **39.6 662.7 Shale & Coal Soft Brown**
  - **41.5 660.9 Shale Sandy Gray**
  - **42.1 660.3 Shale Gray**
  - **45.7 656.6 Sandstone**
  - **47.2 655.1 Shale Gray**
  - **51.8 650.5 Shale Brittle Green**
  - **54.3 648.1 Shale Sandy Gray**
  - **54.9 647.5 Shale & Coal Soft Brown**
  - **56.7 645.6 Shale Gray**
  - **63.1 639.2 Shale Sandy Gray**
  - **66.1 636.2 Shale Gray**
  - **68.6 633.7 Shale Sandy Gray**
  - **72.5 629.8 Shale Gray**
  - **75.6 626.7 Shale Sandy Gray**
  - **91.4 610.9 Shale Gray**

### Electric Log:
- **No**
- **Transmissivity:** m³/day

### Gamma Log:
- **No**
- **Storativity:**

### Aquifer Test:
- **No**
- **Project:** Database: 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**Well Number:** 01482  
**Well Owner:** Mako, Russ  
**Drilling Contractor:** Summer’s Drilling Ltd.

**General:**
- **Type of Work:** Reconditioned  
- **Drilling Method:** Bored  
- **Well Use:** Domestic  
- **Completed Depth:** 12.8 (m)  
- **NPWL (m):** 3.7  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**
- **Type:** Wood  
- **Depth (m):** 12.8  
- **Bottom (m):** 12.8  
- **OD (mm):** 609.6  
- **Thickness (mm):** 0.5  
- **Seal Type:**  
- **from (m):** to  

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Open Hole:**  
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):** 9.1  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):** 7.9  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation**
- **BGL (m):** 12.8  
- **AMSL (m):** 688.1  
- **Lithologic Description:** Old Well

**Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 21.9 (m)
  - NPWL (m): 12.8
  - Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 19.5
  - Bottom (m): 19.5
- OD (mm): 127.0
  - Thickness (mm): 0.1
- Seal Type: Benseal
  - from (m): to 18.9

**Liner:**
- OD (mm):
- Top (m):
- Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 1.2
  - from (m): 19.5 to 20.7
  - Size: 0.01
- from (m): to Size:

**Open Hole:**
- from (m):

**Pump:**
- Model:
- Intake (m): 18.3

**Testing:**
- Rate (lpm): 36.5
  - Time (minute): 240.0
- Level End (m):
- Drawdown (m):
- Rec’d intake (m): 18.3
  - Rec’d Rate (lpm): 31.9

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

Type of Work: **New Well**  
Well Use: **Domestic**  
Completed Depth: 29.3 m  
NPWL (m): 7.6  
Abandonment:  

**Casing:**

Type: **Plastic**  
Depth (m): 26.2  
Bottom (m): 26.2  
OD (mm): 141.2  
Thickness (mm): 0.1  
Seal Type:  
from (m): to  

**Liner:**

Type:  
OD (mm):  
Top (m): Bottom (m):  
Perforated How:  
from (m): to  
from (m): to  
from (m): to  

**Screen:**

Material: St  
OD (mm): 1.2  
from (m): 26.2 to 27.7  
Size: 0.01  

**Open Hole:**

from (m): to  

**Pump:**

Model: Intake (m):  

**Testing:**

Rate (lpm): 63.9  
Time (minute): 420.0  
Level End (m): 16.8  
Rec'd intake (m):  
Rec'd Rate (lpm):  

**Laboratory:**

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<th>Manganese</th>
<th>Mercury</th>
<th>Molybdenum</th>
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<th>Nitrate &amp; Nitrite N</th>
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<th>Intake (m):</th>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock

Completed Depth: 103.6 (m)
- NPWL (m): 18.3
- Verified NPWL (m):
- Abandonment:

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 54.9
- **Bottom (m):** 54.9
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 54.6

**Liner:**
- **Type:** Driven
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to 

**Pump:**
- **Model:**
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 54.7
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 54.7

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Iron Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tr>
<td>10.4</td>
<td>701.3</td>
<td>Clay &amp; Sand Brown</td>
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<td>12.8</td>
<td>698.8</td>
<td>Clay &amp; Rocks Blue</td>
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<td>23.2</td>
<td>688.5</td>
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<td>25.6</td>
<td>686.0</td>
<td>Gravel</td>
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<td>27.4</td>
<td>684.2</td>
<td>Clay &amp; Sand Blue</td>
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<tr>
<td>50.3</td>
<td>661.3</td>
<td>Shale Hard Gray</td>
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<td>51.2</td>
<td>660.4</td>
<td>Sand &amp; Rocks Blue</td>
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<td>56.7</td>
<td>654.9</td>
<td>Shale Gray</td>
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<td>59.4</td>
<td>652.2</td>
<td>Sandstone Fine Grained Blue</td>
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<td>82.6</td>
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<td>87.2</td>
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<td>612.6</td>
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<td>103.6</td>
<td>608.0</td>
<td>Sandstone Blue</td>
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**Electric Log:** No  **Transmissivity:** m²/day  **Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **TOC:**
**Model:**
**Intake (m):**
**Testing:**
**Time (minute):**
**Drawdown (m):**
**Rec'd Rate (lpm):**

**Database:** 1.000H  **AEP Data:** Yes  **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 30.5 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 25.3
- **Bottom (m):** 25.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 25.3 to 26.8
- **Size:** 0.01
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Open Hole:**
- **from (m):**
- **to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 360.0
- **Level End (m):** 24.4
- **Drawdown (m):** 9.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 13.7

**Laboratory:**

- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **Nickel:**
- **TDS:** TKN
- **Selenium:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### SE 12-052-28 W4M

**Well Number:** 01487  
**Well Owner:** Douglas, Bob  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 712  
**AEP:** 156197  
** Licence No.:** Easting: 67,225.14  
** Date Started:** Northing: 5,922,727.50  
**Date Completed:** 09 May 91  
**Well Use:** 10 May 91

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<tr>
<th><strong>General:</strong></th>
<th><strong>Depth Elevation</strong></th>
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<tr>
<td>Type of Work: New Well</td>
<td><strong>(m)</strong></td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>Well Use: Domestic &amp; Stock</td>
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<td>Completed Depth 51.5 (m)</td>
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<tr>
<td>Depth (m): 36.6 Bottom (m): 36.6</td>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**General:**

- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 29.0 m
- **NPWL (m):** Verified NPWL (m): Unknown

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** Size:
- **from (m):** Size:

**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**

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<th>Value</th>
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<td>Silica</td>
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<td></td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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<td>Lead</td>
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<td>Nitrate &amp; Nitrite N</td>
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<tr>
<td>Zinc</td>
<td></td>
</tr>
<tr>
<td>Calcium</td>
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**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Database:**

- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Transmissivity:** m²/day

**Storativity:**

**Aquifer Test:** No

**Electric Log:** Yes

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**SE 25-052-28 W4M**

**Well Number:** 01489

**Well Owner:** Town Of Stony Plain

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
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<th>Depth Elevation</th>
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<td><strong>Lithologic Description</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>(m)</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td>7.0</td>
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<tr>
<td><strong>Completed Depth:</strong> 35.7 (m)</td>
<td>15.2</td>
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<tr>
<td><strong>NPWL (m):</strong> 4.6</td>
<td>33.5</td>
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<td><strong>Verified NPWL (m):</strong> 35.7</td>
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<thead>
<tr>
<th>Abandonment:</th>
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<tbody>
<tr>
<td><strong>Type:</strong> Steel</td>
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<td><strong>Depth (m):</strong> 26.2</td>
<td><strong>Well Use:</strong></td>
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<tr>
<td><strong>Bottom (m):</strong> 26.2</td>
<td><strong>Well Use:</strong></td>
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<td><strong>OD (mm):</strong> 177.8</td>
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<tr>
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<tbody>
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<td><strong>Well Use:</strong></td>
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<tr>
<td><strong>Thickness (mm):</strong></td>
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</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Size:</strong></td>
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<table>
<thead>
<tr>
<th>Screen:</th>
<th><strong>Well Use:</strong></th>
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<td><strong>from (m):</strong> 26.2</td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>to:</strong> 30.8</td>
<td><strong>Well Use:</strong></td>
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<td><strong>Size:</strong> 0.02</td>
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<table>
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<th>Open Hole:</th>
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<td><strong>from (m):</strong> to</td>
<td><strong>Well Use:</strong></td>
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<table>
<thead>
<tr>
<th>Pump:</th>
<th><strong>Well Use:</strong></th>
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<tbody>
<tr>
<td><strong>Model:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Intake (m):</strong></td>
<td><strong>Well Use:</strong></td>
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<table>
<thead>
<tr>
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<th><strong>Well Use:</strong></th>
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<td><strong>Rate (lpm):</strong> 684.1</td>
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<td><strong>Time (minute):</strong> 360.0</td>
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<td><strong>Drawdown (m):</strong> 19.8</td>
<td><strong>Well Use:</strong></td>
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<td><strong>Rec'd intake (m):</strong></td>
<td><strong>Well Use:</strong></td>
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<tr>
<td><strong>Rec'd Rate (lpm):</strong></td>
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<table>
<thead>
<tr>
<th>Laboratory:</th>
<th><strong>Well Use:</strong></th>
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<tbody>
<tr>
<td><strong>pH (pH unit):</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
<td><strong>Well Use:</strong></td>
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<td><strong>Potassium:</strong></td>
<td><strong>Well Use:</strong></td>
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<td><strong>Calcium:</strong></td>
<td><strong>Well Use:</strong></td>
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<tr>
<td><strong>Magnesium:</strong></td>
<td><strong>Well Use:</strong></td>
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<tr>
<td><strong>Carbonate:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
<td><strong>Well Use:</strong></td>
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<td><strong>Alumium:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Barium:</strong></td>
<td><strong>Well Use:</strong></td>
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<td><strong>Sulphate:</strong></td>
<td><strong>Well Use:</strong></td>
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<td><strong>Chloride:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Fluoride:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>TOC:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
<tr>
<td><strong>Silica:</strong></td>
<td><strong>Well Use:</strong></td>
</tr>
</tbody>
</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. | **Well Use:** |

| **Remarks:** | **Well Use:** |

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation (AMSL) (m):** 706

**AEP:** 153974

**Licence No.:**

**Easting:** 66,975.86

**Date Started:** 23 Jul 90

**Northing:** 5,927,516.50

**Date Completed:** 24 Jul 90

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Water Field Verified:** No

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number:** 01490  
**Well Owner:** Town Of Stony Plain  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 701  
**AEP:** 156718  
**Licence No.:** Easting: 66686.33  
**Date Started:** Northing: 5929203.00  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth (m):**  
  - NPWL (m):  
  - Verified NPWL (m):  
- **Abandonment:**
- **Casing:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:**  
  - **from (m):** to  
- **Liner:**
  - **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:**  
    - **from (m):** to **Size:**  
    - **from (m):** to **Size:**  
  - **from (m):** to **Size:**
- **Screen:**
  - **Material:**  
  - **OD (mm):**  
    - **from (m):** to **Size:**  
    - **from (m):** to **Size:**  
  - **from (m):** to **Size:**
- **Open Hole:**  
  - **from (m):** to
- **Pump:**
  - **Model:**  
  - **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD  
  - **COD:** Mercury  
- **Cond. (µS/cm):** SAR  
  - **SAR:** Nickel  
- **TDS:** KTN  
  - **TN:** Selenium  
- **Sodium:** Nitrate  
  - **Strontium:**  
- **Potassium:** Nitrite  
  - **Molybdenum:**  
- **Calcium:** TN  
  - **Vanadium:**  
- **Magnesium:** TC  
  - **Zinc:**  
- **Carbonate:** DIC  
  - **Hydroxide:**  
- **Bicarbonate:** Arsenic  
  - **Total Hardness:**  
- **Aluminium:** Barium  
  - **Manganese:**  
- **Sulphate:** Beryllium  
  - **Phosphate:**  
- **Chloride:** Cadmium  
  - **Ion Balance:**  
- **Fluoride:** Chromium  
  - **Amm. Nitrogen:**  
- **Iron:** Cobalt  
  - **Total Phosphate:**  
- **TOC:** Copper  
  - **Total Alkalinity:**  
- **Silica:** Lead  
  - **Nitrate&Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**  
- **Transmissivity:** m³/day

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:** Database: 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
13-02-053-26 W4M

Well Owner: Can Gulf Oil Co Hole #13
Drilling Contractor: Unknown Driller

**Well Number: 01555**

Elevation (AMSL) (m): **706**
AEP: **264871**

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<th>Northing</th>
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<td></td>
<td><strong>83,825.64</strong></td>
<td><strong>5,932,039.75</strong></td>
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Date Started: **05 Sep 50**

| Water Well Positioned by Mow-Tech in 10TM NAD 27 |

### General

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<th>Type of Work:</th>
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<td>Drilling Method:</td>
<td>Rotary</td>
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<td>Well Use:</td>
<td>Investigation</td>
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<tr>
<td>Completed Depth:</td>
<td>231.6 (m)</td>
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<tr>
<td>NPWL (m):</td>
<td>Verified NPWL (m):</td>
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<td>Abandonment:</td>
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### Casing

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<th>Type:</th>
<th>Depth (m): Bottom (m):</th>
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<td>from (m): to</td>
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<tr>
<td>Seal Type: to</td>
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### Liner

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<th>OD (mm): Thickness (mm):</th>
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<td>from (m): to</td>
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<tr>
<td>Perforated How: Size:</td>
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<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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<td>from (m): to</td>
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### Screen

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<th>OD (mm):</th>
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<tbody>
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<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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### Open Hole

| from (m): to |

### Pump

<table>
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<th>Model:</th>
<th>Intake (m):</th>
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### Testing

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<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tr>
<td>Level End (m): Drawdown (m):</td>
<td>Rec'd intake (m):</td>
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<td>Rec'd Rate (lpm):</td>
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### Laboratory

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<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
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<td>Molybdenum</td>
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<td>Magnesium</td>
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<td>Sulphate</td>
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<td>Phosphate</td>
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<td>Amm. Nitrogen</td>
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<td>Total Phosphate</td>
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<td>Copper</td>
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<td>Silicon</td>
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<td>DIC</td>
<td>Hydroxide</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

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<tbody>
<tr>
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<td>Storativity:</td>
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<td>Aquifer Test:</td>
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<td>Project:</td>
<td>Database: <strong>1.000H</strong></td>
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<tr>
<td>AEP Data:</td>
<td>Yes</td>
<td>Well Field Verified: No</td>
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Remarks:
**NE 02-053-26 W4M**

**Well Number:** 01556

**Well Owner:** Northland Sand & Gravel Ltd.

**Drilling Contractor:** Elk Point Drilling Corp.

**Elevation (AMSL) (m):** 706

**AEP:** 152850

**Licence No.:** Easting: 84,846.02

**Date Started:** 20 Sep 90

**Nothing:** 5,931,852.00

**Date Completed:** 20 Sep 90

**General:**

| Type of Work: | New Well |
| Drilling Method: | Rotary |
| Well Use: | Observation |

**Completed Depth:** 36.6 (m)

| NPWL (m): | 12.8 |

| Verified NPWL (m): |

**Abandonment:**

| Type: | Plastic |

| Depth (m): | 29.3 |

| Bottom (m): | 29.3 |

**OD (mm):** 141.2

| Thickness (mm): | 0.1 |

**Seal Type:**

| from (m): | to |

| Liner: |

| Type: |

| OD (mm): |

| Thickness (mm): |

| Top (m): |

| Bottom (m): |

**Perforated How:**

| from (m): |

| to |

| Size: |

| from (m): |

| to |

| Size: |

| from (m): |

| to |

| Size: |

**Screen:**

| Material: | St |

| OD (mm): | 1.2 |

| from (m): | 29.3 |

| to |

| 30.5 |

| Size: | 0.02 |

**Open Hole:**

| from (m): |

| to |

**Pump:** Sub

| Model: |

| Intake (m): |

**Testing:**

| Rate (lpm): | 45.6 |

| Time (minute): | 60.0 |

| Level End (m): |

| Drawdown (m): |

| Rec'd intake (m): |

| Rec'd Rate (lpm): | 159.6 |

**Laboratory:**

| pH (pH unit): |

| COD |

| Mercury |

| Cond. (µS/cm): |

| SAR |

| Nickel |

| TDS |

| TKN |

| Selenium |

| Sodium |

| Nitrate |

| Strontium |

| Potassium |

| Nitrite |

| Molybdenum |

| Calcium |

| TN |

| Vanadium |

| Magnesium |

| TC |

| Zinc |

| Carbonate |

| DIC |

| Hydroxide |

| Bicarbonate |

| Arsenic |

| Total Hardness |

| Aluminium |

| Barium |

| Manganese |

| Sulphate |

| Beryllium |

| Phosphate |

| Chloride |

| Cadmium |

| Iron |

| Cobalt |

| Nickel |

| Fluoride |

| Chromium |

| Amm. Nitrogen |

| Iron |

| Cobalt |

| Total Phosphate |

| TOC |

| Copper |

| Total Alkalinity |

| Silica |

| Lead |

| Nitrate&Nitrite N |

| DIC |

| Hydroxide |

| Laboratory: |

| Electric Log: No |

| Transmissivity: m²/day |

| Gamma Log: No |

| Storativity: |

| Aquifer Test: No |

| Project: Database: 1.000H |

| AEP Data: Yes |

| Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

printed on 2/20/98
**General:**
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 223.1 (m)
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:** 

**Casing:**
- **Type:** 
- **Depth (m):** Bottom (m): 
- **OD (mm):** Thickness (mm): 
- **Seal Type:** from (m): to 

**Liner:**
- **Type:** 
- **OD (mm):** Thickness (mm): 
- **Top (m):** Bottom (m): 
- **Perforated How:** from (m): to Size: 
- **from (m):** to Size: 
- **from (m):** to Size: 

**Screen:**
- **Material:** 
- **OD (mm):** from (m): to Size: 
- **from (m):** to Size: 

**Open Hole:**
- **from (m):** to 

**Pump:**
- **Model:** 
- **Intake (m):** 

**Testing:**
- **Rate (lpm):** 
- **Time (minute):** 
- **Level End (m):** 
- **Drawdown (m):** 
- **Rec'd intake (m):** 
- **Rec'd Rate (lpm):** 

**Laboratory:**
- **pH (pH unit):** COD Mercury 
- **Cond. (µS/cm):** SAR Nickel 
- **TDS:** TKN Selenium 
- **Sodium:** Nitrate Strontium 
- **Potassium:** Nitrite Molybdenum 
- **Calcium:** TN Vanadium 
- **Magnesium:** TC Zinc 
- **Carbonate:** DIC Hydroxide 
- **Bicarbonate:** Arsenic Total Hardness 
- **Aluminium:** Barium Manganese 
- **Sulphate:** Beryllium Phosphate 
- **Chloride:** Cadmium Ion Balance 
- **Fluoride:** Chromium Amm. Nitrogen 
- **Iron:** Cobalt Total Phosphate 
- **TOC:** Copper Total Alkalinity 
- **Silica:** Lead Nitrate&Nitrite N 

**Remarks:** 
*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
**General:**
- **Type of Work:** Cathodic Protection
- **Drilling Method:** Rotary
- **Well Use:** Municipal

**Completed Depth:** 78.3 (m)

**NPWL (m):**
- Verified NPWL (m):

**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Perforated How:**
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted."
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 94.5 (m)
- NPWL (m): 17.1
- Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 40.2
- **Bottom (m):** 40.2
- **OD (mm):** 139.7
- ** Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 40.2

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 18.8
- **Bottom (m):** 94.5
- **Perforated How:** Machine
- **from (m):** 42.7
- **Bottom (m):** 94.5
- **Size:**
- **from (m):**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 76.2

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 76.2
- **Drawdown (m):** 59.1
- **Rec'd intake (m):** 85.3
- **Rec'd Rate (lpm):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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**Remarks:**
- Chemical Constituents are in mg/l (ppm), Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 01559

**Well Owner:** Rotorchrome Ind Inc

**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 709

**AEP:** 255799

**Licence No.:**
- Easting: 80,893.01
- Northing: 5,931,247.50

**Date Started:** 22 Feb 95

**Date Completed:** 22 Feb 95

**Deph Elevation**

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<td>7.3</td>
<td>701.7</td>
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<td>8.8</td>
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<td>22.6</td>
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<td>50.6</td>
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<td>94.5</td>
<td>614.5</td>
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**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**print on 2/20/98**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 56.4 m
- **NPWL (m):** 22.3
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 53.6
  - **Bottom (m):** 53.6
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
  - **Seal Type:**
    - **from (m):** 
    - **to:**

**Casing:**
- **Type:** Plastic
- **From (m):** 
- **To:**

**Liner:**
- **Type:**
- **OD (mm):** 7.1
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** 
  - **to:**
  - **Size:**
  - **from (m):** 
  - **to:**
  - **Size:**
  - **from (m):** 
  - **to:**
  - **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 53.6
- **Thickness (mm):** 54.9
- **Size:** 0.01
- **Bottom (m):**
- **Top (m):**

**Open Hole:**
- **from (m):** 
- **to:**

**Pump:**
- **Model:** 
- **Intake (m):** 51.8

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 180.0
- **Level End (m):** 51.8
- **Drawdown (m):** 29.6
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **ph:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Sulfate:**
- **Beryllium:**
- **Cadium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates & Nitrite N:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 13.7 (m)
- **NPWL (m):** 2.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 4.0 to 4.6

**Liner:**

- **Type:**
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Top (m):**
- **Bottom (m):** 13.7
- **Perforated How:** Other
- **from (m):** 12.2 to 13.7
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 91.2
- **Time (minute):** 420.0
- **Level End (m):** 4.9
- **Drawdown (m):** 4.9
- **Rec'd intake (m):** 11.6
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Magnesium:**
- **Calcium:**
- **TC:**
- **DIC:**
- **Bicarbonate:**
- **Barium:**
- **Aluminum:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

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<th>(m)</th>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H

**AEP Data:** Yes
**Well Field Verified:** No
### Well Information

**Well Number:** 01562

**Well Owner:** Dickson, Mark

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 696

**Licence No.:** AEP: 161711

**Date Started:**

**Northing:** 5,931,274.50

**Date Completed:**

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</tr>
<tr>
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<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
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<td>from (m): to</td>
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<tr>
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<td>Time (minute):</td>
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<td><strong>Level End (m):</strong></td>
<td>Drawdown (m):</td>
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<td><strong>Rec'd intake (m):</strong></td>
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### Laboratory

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<tr>
<td>Cond. (µS/cm)</td>
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<td>TKN</td>
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<td>Strontium</td>
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<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
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<td>Zinc</td>
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<td>Bicarbonate</td>
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</tr>
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<td>Total Hardness</td>
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<td>Cadmium</td>
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<td>Copper</td>
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<tr>
<td></td>
<td>Silicon</td>
<td>Lead</td>
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</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

---

**Transmissivity:** m²/day

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No

---

**Printed on:** 2/20/98
Well Number: 01563

Well Owner: Cook, Gil
Drilling Contractor: Rodco Drilling

Elevation (AMSL) (m): 685
AEP: 196733
Licence No.: Easting: 77,152.75
Date Started: 07 Jul 92
No. Northing: 5,931,766.00
Date Completed: 12 Jul 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth: 61.0 (m)
NPWL (m): 6.7
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 29.9
Bottom (m): 29.9
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Driven
from (m): 29.9

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 29.9
Bottom (m): 61.0

Perforated How: Machine
from (m): 29.9
to 61.0
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 54.9

Testing:
Rate (lpm): 11.4
Time (minute): 720.0
Level End (m): 51.8
Drawdown (m): 45.1
Rec'd intake (m):
Rec'd Rate (lpm): 9.1

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): Mercury
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
Well Number: 01564

Well Owner: Maitland, D.R.
Drilling Contractor: Unknown Driller

**General:**
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic

Completed Depth: 61.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

**Casing:**
Type: Depth (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

**Liner:**
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material: OD (mm):
from (m): to Size:
from (m): to Size:

**Open Hole:**
from (m): to

**Pump:**
Model: Intake (m):

**Testing:**
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positions by PFRA in 10TM NAD 27

**Depth and Elevation:**
(BGL) (AMSL)

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<th>(m)</th>
<th>(m)</th>
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**Lithologic Description:**
(No Lithologic Information Available)

**Electric Log:** No
Transmissivity: m²/day
Gamma Log: No
Storativity: 
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
**General:**

- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 20.7 m
- **NPWL (m):** 0
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 7.3
- **Bottom (m):** 7.3
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Cement/GROUT
  - **from (m):** to 7.3

**Liner:**

- **Type:**
  - **OD (mm):** 76.2
  - **Thickness (mm):**
  - **Top (m):** 18.3
  - **Bottom (m):** 19.2
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**

- **Material:**
  - **OD (mm):**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 01566

**Well Owner:** Alta Env #2237e

**Drilling Contractor:** Alberta Environment/Earth Sciences Div

---

**Well Number:** 01566

**Elevation (AMSL) (m):** 668

**AEP:** 234391

**Licence No.:** Easting: 77,125.59

**Date Started:** 23 Nov 83

**Nothing:** 5,932,986.00

**Date Completed:** 24 Nov 83

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 13.7 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 5.8
- **Bottom (m):** 5.8
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Cement/Grout
- **from (m):** to 5.8

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:

- **Material:** PI
- **OD (mm):** 0.9
- **from (m):** 11.0
- **to 11.6**
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:

- **from (m):**
- **to**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
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<tr>
<td>Well Use: Observation</td>
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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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printed on 2/20/98
**GENERAL:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 17.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 13.4  
  **Bottom (m):** 13.4
- **OD (mm):** 141.2  
  **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:** from (m): to  
  **Size:**
  - from (m): to  
  **Size:**
  - from (m): to  
  **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.2  
  **from (m):** 13.4 to 14.9  
  **Thickness (mm):** 0.01
- **Open Hole:** from (m): to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** 63.9  
  **Time (minute):** 420.0
- **Level End (m):** 3.7  
  **Drawdown (m):** 3.7
- **Rec'd intake (m):** Rec'd Rate (lpm): 63.9

**Laboratory:**
- **pH (pH unit):** COD  
  **Cond. (µS/cm):** SAR  
  **TDS:** TKN  
  **Sodium:** Nitrate  
  **Potassium:** Nitrite  
  **Calcium:** TN  
  **Magnesium:** TC  
  **Carbonate:** DIC  
  **Bicarbonate:** Arsenic  
  **Aluminium:** Barium  
  **Sulphate:** Beryllium  
  **Chloride:** Cadmium  
  **Fluoride:** Chromium  
  **Iron:** Cobalt  
  **TOC:** Copper  
  **Silica:** Lead  
  **DIC:** Hydroxide  
  **Gamma Log:** Storativity:
  - **Electric Log:** No  
  - **Transmissivity:** m²/day
  - **Gamma Log:** No  
  - **Storativity:**
  - **Aquifer Test:** No  
  - **AEP Data:** Yes  
  **Database:** 1.000H

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

- Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

- AEP Data: Yes  
  Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 25.9 m
- **NPWL (m):** 1.9
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 21.3
- **OD (mm):** 141.2
- **Seal Type:**

**Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **Bottom (m):** 22.9

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 31.9
- **Time (minute):** 60.0
- **Level End (m):** 4.3
- **Drawdown (m):** 2.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SOD:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Vanadium:**
- **Arsenic:**
- **Selenium:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Chromium:**
- **Nickel:**
- **Iron:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Chromium:**
- **Nickel:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
- **Elevation (AMSBL) (m):** 686
- **NPWL (m):**
- **Verified NPWL (m):**

**Lithologic Description**
- **0.3:** Topsoil
- **1.2:** Till Brown
- **13.7:** Silt Gray
- **14.6:** Clay Silty
- **17.1:** Sand Coarse Grained Gray
- **23.2:** Sand Medium Grained Gray
- **23.8:** Clay Gray
- **24.4:** Sand Gray
- **25.9:** Sandstone Brown

**Well Number 01569**
- **Elevation (AMSBL) (m):** 686
- **AEP:** 151755
- **Easting:** 78,874.59
- **Northing:** 5,932,649.50
- **Date Started:** 31 Jan 90
- **Date Completed:** 31 Jan 90

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 97.5 m
- NPWL (m): 1.2
- Verified NPWL (m):

**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 29.0
- **Bottom (m):** 29.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1

**Seal Type:** Puddled Clay
- **from (m):** to 12.2

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 29.0 to 30.5
- **Size:** 0.01

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** W50
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 1.2
- **Drawdown (m):**
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):** 228.1

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.3</td>
<td>682</td>
<td>Till Yellow</td>
</tr>
<tr>
<td>9.8</td>
<td>676.6</td>
<td>Sand Fine Grained Yellow</td>
</tr>
<tr>
<td>13.7</td>
<td>672.6</td>
<td>Till Yellow</td>
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<tr>
<td>31.1</td>
<td>655.2</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>34.1</td>
<td>652.2</td>
<td>Shale</td>
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<tr>
<td>38.4</td>
<td>647.9</td>
<td>Sand Black</td>
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<td>41.5</td>
<td>644.9</td>
<td>Shale</td>
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<td>47.9</td>
<td>638.5</td>
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<td>67.7</td>
<td>618.7</td>
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<td>68.6</td>
<td>617.7</td>
<td>Sand Black</td>
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<tr>
<td>92.1</td>
<td>594.3</td>
<td>Shale Sandy</td>
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<tr>
<td>97.5</td>
<td>588.8</td>
<td>Shale Gray</td>
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**Electric Log:** Yes  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No
**NW 09-053-26 W4M**

**Well Owner:** Visitew, Andy  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Lithologic Description</strong> (m) (m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>4.3 674.4 Clay Yellow</td>
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<td><strong>Well Use:</strong> Domestic</td>
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<td><strong>Completed Depth:</strong> 24.4 (m)</td>
<td>17.1 661.6 Sand</td>
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<td><strong>NPWL (m):</strong> 1.5</td>
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<td><strong>Verified NPWL (m):</strong></td>
<td>20.7 657.9 Sandstone</td>
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<td><strong>Abandonment:</strong> Plastic</td>
<td>22.3 656.4 Clay Blue</td>
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<td><strong>Depth (m):</strong> 18.6</td>
<td>24.4 654.3 Shale Brown</td>
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<td><strong>Bottom (m):</strong> 18.6</td>
<td><strong>Screen:</strong></td>
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<td><strong>OD (mm):</strong> 141.2</td>
<td><strong>Material:</strong> St</td>
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<td><strong>Thickness (mm):</strong></td>
<td><strong>OD (mm):</strong> 1.2</td>
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<td><strong>Seal Type:</strong></td>
<td><strong>from (m):</strong> 18.6 to <strong>Bottom (m):</strong> 20.1</td>
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<td><strong>from (m):</strong></td>
<td><strong>Size:</strong> 0.01</td>
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<td><strong>Liner:</strong></td>
<td><strong>from (m):</strong> 20.1 to <strong>Bottom (m):</strong></td>
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<td><strong>Type:</strong> Plastic</td>
<td><strong>Thickness (mm):</strong></td>
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<tr>
<td><strong>Depth (m):</strong></td>
<td><strong>Size:</strong></td>
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<td><strong>OD (mm):</strong></td>
<td><strong>Size:</strong></td>
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<tr>
<td><strong>Thickness (mm):</strong></td>
<td><strong>Perforated How:</strong></td>
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<td><strong>Top (m):</strong></td>
<td><strong>from (m):</strong> to <strong>Size:</strong></td>
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<td><strong>from (m):</strong></td>
<td><strong>from (m):</strong> to <strong>Size:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>from (m):</strong> to <strong>Size:</strong></td>
</tr>
<tr>
<td><strong>Screen:</strong></td>
<td><strong>Open Hole:</strong></td>
</tr>
<tr>
<td><strong>Material:</strong> St</td>
<td><strong>from (m):</strong></td>
</tr>
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<td><strong>OD (mm):</strong> 1.2</td>
<td><strong>Thickness (mm):</strong></td>
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<td><strong>from (m):</strong> 18.6 to <strong>Bottom (m):</strong> 20.1</td>
<td><strong>Size:</strong></td>
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<tr>
<td><strong>from (m):</strong> 20.1 to <strong>Bottom (m):</strong></td>
<td><strong>Size:</strong></td>
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<tr>
<td><strong>Open Hole:</strong></td>
<td><strong>Perforated How:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td><strong>Size:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td><strong>from (m):</strong> to <strong>Size:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
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<tr>
<td><strong>Pump:</strong></td>
<td><strong>Opening from:</strong></td>
</tr>
<tr>
<td><strong>Model:</strong></td>
<td><strong>To:</strong></td>
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<tr>
<td><strong>Intake (m):</strong></td>
<td><strong>Perforated How:</strong></td>
</tr>
<tr>
<td><strong>Testing:</strong></td>
<td><strong>Size:</strong></td>
</tr>
<tr>
<td><strong>Rate (lpm):</strong> 68.4</td>
<td><strong>Size:</strong></td>
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<tr>
<td><strong>Time (minute):</strong> 420.0</td>
<td><strong>Size:</strong></td>
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<td><strong>Level End (m):</strong> 9.1</td>
<td><strong>Drawdown (m):</strong> 7.6</td>
</tr>
<tr>
<td><strong>Rec'd intake (m):</strong></td>
<td><strong>Rec'd Rate (lpm):</strong></td>
</tr>
</tbody>
</table>

**Laboratory:**

- **pH (pH unit):** 0
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **Nickel**
- **TDS:** TKN
- **Selenium**
- **Sodium:** Nitrate
- **Strontium**
- **Potassium:** Nitrite
- **Molybdenum**
- **Calcium:** TN
- **Vanadium**
- **Magnesium:** TC
- **Zinc**
- **Carbonate:** DIC
- **Hydroxide**
- **Bicarbonate:** Arsenic
- **Total Hardness**
- **Aluminum:** Barium
- **Manganese**
- **Sulphate:** Beryllium
- **Phosphate**
- **Chloride:** Cadmium
- **Ion Balance**
- **Fluoride:** Chromium
- **Amm. Nitrogen**
- **Iron:** Cobalt
- **Total Phosphate**
- **TOC:** Copper
- **Total Alkalinity**
- **Silica:** Lead
- **Nitrate&Nitrite N**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 26.2 (m)
- **NPWL (m):** 11.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casings

- **Type:** Plastic
- **Depth (m):** 22.9
- **Bottom (m):** 22.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 22.9

### Liner

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 24.4 to 25.9
- **Size:** 0.01
- **Top (m):**
- **Bottom (m):**

### Open Hole

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **TC:**
- **DIC:**
- **Bicarbonate:**
- **Barium:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

- **Transmissivity:** m²/day

### Gamma Log

- **Storativity:**

### Aquifer Test

- **Project:**
- **Database:** 1.000H

### Project Details

- **Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Cathodic Protection
- **Drilling Method:** Rotary
- **Well Use:** Industrial

### Casing:
- **Completed Depth:** 71.6 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
  - **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):** from **to** **Size:**
- **Thickness (mm):** from **to** **Size:**
- **Bottom (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Sodium:**
- **Nitrate:**
- **Mercury:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Sulphate:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

### Depth Elevation (BGL) (AMSL)

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<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Topsoil</td>
<td>1.2</td>
<td>692.5</td>
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<tr>
<td>Till Brown</td>
<td>6.4</td>
<td>687.4</td>
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<tr>
<td>Till Gray</td>
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<td>674.6</td>
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<td>Sand Coarse Grained</td>
<td>20.1</td>
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<td>Coal Fractured</td>
<td>21.9</td>
<td>671.8</td>
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<tr>
<td>Sand &amp; Gravel</td>
<td>26.5</td>
<td>667.2</td>
</tr>
<tr>
<td>Shale Brown</td>
<td>71.6</td>
<td>622.1</td>
</tr>
</tbody>
</table>

### Electric Log:
- **Yes**
- **Transmissivity:** m³/day
- **Gamma Log:**
- **No**
- **Storativity:**
- **Aquifer Test:**
- **No**
- **Project:**
- **Database:** 1.000H
- **AEP Data:**
- **Yes**
- **Well Field Verified:** **No**

*Chemical Constituents are in mg/l (ppm). Except as noted.*
### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 31.7 (m)
  - NPWL (m): 14.9
- **Abandonment:**

### Casing

- **Type:** Plastic
  - **Depth (m):** 30.2
  - **Bottom (m):** 30.2
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:**
  - from (m): to

### Liner

- **Type:**
  - **OD (mm):**
    - Top (m): Bottom (m):
  - **Perforated How:**
    - from (m): to
    - Size:

### Screen

- **Material:** St
  - **OD (mm):** 1.5
    - from (m): 30.2 to 31.7
    - Size: 0.01
  - **from (m):** to

### Open Hole

- **from (m):** to

### Pump

- **Model:** Gould 7g05422
  - **Intake (m):** 27.4

### Testing

- **Rate (lpm):** 91.2
  - **Time (minute):** 120.0
- **Level End (m):** 27.4
  - **Drawdown (m):** 12.5
- **Rec'd Rate (lpm):** 27.4
  - **Rec'd intake (m):** 68.4

### Laboratory

- **pH (pH unit):**
  - **SAR:**
  - **TDS:**
  - **COD:** Mercury
  - **Nitrate:** Strontium
  - **Sodium:** Molybdenum
  - **Potassium:** Vanadium
  - **Calcium:** Zinc
  - **Magnesium:** Hydroxide
  - **Carbonate:** Total Hardness
  - **Bicarbonate:** Manganese
  - **Aluminium:** Phosphorus
  - **Sulphate:** Ion Balance
  - **Chloride:** Amm. Nitrogen
  - **Fluoride:** Cobalt
  - **Iron:** Copper
  - **TOC:** Total Alkalinity
  - **Silica:** Lead
  - **Open Hole:** Nickel

### Electric Log

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description

- **Depth:** (m) 14.9
  - **Elevation (A.M.S.L):** (m) 688.3
  - **Type of Work:** Clay Brown
  - **NPWL (m):** 23.5
  - **Verified NPWL (m):** 672.7
  - **Sand Fine Grained Brown**
  - **24.7:** Clay Gray
  - **31.1:** Sand Coarse Grained Gray
  - **31.7:** Gravel

### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m): Bottom (m):**
- **OD (mm): Thickness (mm):**
- **Seal Type:**
  - **from (m): to:**

### Liner:
- **Type:**
- **OD (mm): Thickness (mm):**
- **Top (m): Bottom (m):**
- **Perforated How:**
  - **from (m): to:** **Size:**
  - **from (m): to:** **Size:**
  - **from (m): to:** **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m): to:** **Size:**
  - **from (m): to:** **Size:**
  - **from (m): to:** **Size:**

### Open Hole:
- **from (m): to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Arsenic:**
- **Strontium:**
- **Selenium:**
- **Dissolved Oxygen:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Magnesium:**
- **Total Hardness:**
- **Phosphate:**
- **Calcium:**
- **Iron:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Amm. Nitrogen:**
- **Model:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 14-053-26 W4M**

**Well Owner:** Bldg Bunch Ltd/Starko, Alex  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 674  
**AEP:** 206873  
**Licence No.:**  
**Date Started:** 12 Sep 77  
**Date Completed:** 15 Sep 77

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Abandonment</th>
</tr>
</thead>
<tbody>
<tr>
<td>91.4 (m)</td>
<td>18.3</td>
<td></td>
</tr>
</tbody>
</table>

### Casing:
- **Type:** Welded Ring
- **Depth (m):** from (m) to 28.0
- **OD (mm):** 114.3
- **Thickess (mm):** Bottom (m): 91.4

### Liner:
- **Type:** Torch
- **Depth (m):** from (m) to 91.4
- **Size:**

### Screen:
- **Material:**
- **OD (mm):** from (m) to
- **Thickness (mm):** from (m) to

### Open Hole:
- **Model:** Sub
- **Intake (m):** 82.3
- **Rate (lpm):** 31.9
- **Time (minute):** 240.0
- **Rec'd intake (m):** 73.2

---

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickel
- **TDS:** TKN  
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:** Nitrite  
- **Selenium:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **DIC:** Hydroxide
- **Carbonate:**
- **Bicarbonate:** Asparic  
- **Total Hardness:**
- **Aluminium:**
- **Manganese:**
- **Sulphate:** Beryllium  
- **Phosphate:**
- **Chloride:** Cadmium  
- **Ion Balance:**
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:** Lead  
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NE 14-053-26 W4M

Well Owner: Deschenes, Carl (X-Cel Homes)
Drilling Contractor: Kap’S Drilling Ltd.

Well Number: 01591

Elevation (AMSL) (m): 651
Electrical Use: 238850
Licence No.: 1.000H
Date Started: 01 Dec 93
Easting: 84,384.08
Date Completed: 03 Dec 93
Northing: 5,935,603.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic

Completed Depth: 78.6 (m)
NPWL (m): 21.0
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 61.0
Bottom (m): 61.0
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 61.0

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 60.4
Bottom (m): 77.7

Perforated How: Saw
from (m): 61.3 to 76.2
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Perforated How: Saw
from (m): to Size:
from (m): to Size:

Pump: Sub
Model:
Intake (m): 61.0

Testing:
Rate (lpm): 18.2
Time (minute): 120.0
Level End (m): 61.0
Drawdown (m): 40.2
Rec’d intake (m): 65.5
Rec’d Rate (lpm): 18.2

Laboratory:
pH (pH Unit): COD
Cond. (µS/cm): SAR
TDS: KTN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 24.4 (m)
- **NPWL (m):** 2.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 11.6
- **Bottom (m):** 11.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Table
- **from (m):** to 9.1

**Liner:**
- **Type:**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 11.6 to 13.1
- **Size:** 0.01
- **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 13.1

**Testing:**
- **Rate (lpm):** 16.0
- **Time (minute):** 360.0
- **Level End (m):** 10.7
- **Drawdown (m):** 7.9
- **Rec'd intake (m):** 10.7
- **Rec'd Rate (lpm):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 01592

**Well Owner:** Helenslea Farming Ltd

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 671

**AEP:** 231533

**Licence No.:**

**Easting:** 84,568.13

**Northing:** 5,935,393.50

**Date Started:** 20 Dec 93

**Date Completed:** 21 Dec 93

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

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<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>1.8</td>
<td>669.4</td>
<td>Clay Yellow</td>
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<td>10.7</td>
<td>660.6</td>
<td>Clay Blue</td>
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<td>13.4</td>
<td>657.8</td>
<td>Sand &amp; Coal Gravelly</td>
</tr>
<tr>
<td>15.5</td>
<td>655.7</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>24.4</td>
<td>646.9</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

**Database:** Project: 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 26.5 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 25.0 Bottom (m): 25.0
OD (mm): 114.3 Thickness (mm):
Seal Type: from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Ga
OD (mm):
from (m): 25.0 to 26.5 Size: 0.01
from (m): to Size:
Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 27.4 Time (minute): 240.0
Level End (m): Drawdown (m):
Rec'd intake (m): 24.4 Rec'd Rate (lpm):

Laboratory:

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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Sodium</td>
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<td>Fluoride</td>
<td>24.4</td>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
<td>24.4</td>
</tr>
<tr>
<td>Silica</td>
<td>26.5</td>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Well Position:
Horning, Herb
Elevation (AMSL) (m): 674
Licence No.: 1593
Date Started: 12 Oct 77
Easting: 84,730.52
Date Completed: 13 Oct 77
Northing: 5,935,319.50

Project: 1.000H
AEP Data: Yes

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

**Completed Depth:** 18.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth**

<table>
<thead>
<tr>
<th>Elevation (BGL) (m)</th>
<th>Elevation (AMSL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
<td>(No Lithologic Information Available)</td>
</tr>
</tbody>
</table>

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
## NE 14-053-26 W4M

**Well Owner:** Kozar, Ignaz (Space Homes L)

**Drilling Contractor:** Big Iron Drilling Ltd.

### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Steel
- **Depth (m):** 53.6
- **Bottom (m):** 53.6
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):**
  - **to:** 53.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 51.5
- **Bottom (m):** 76.2
- **Perforated How:** Torch
  - **from (m):** 64.0
  - **to:** 76.2
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to:**
- **Thickness (mm):**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
  - **to:**

### Pump:
- **Model:** Goulds
- **Intake (m):** 61.0

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 54.9
- **Drawdown (m):** 12.2
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):** 61.0

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Strontium:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Phosphate:**
- **Phosphorus:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

### Lithologic Description:

<table>
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<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.9</td>
<td>658.7</td>
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<tr>
<td>10.7</td>
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<td>Till Sandy</td>
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<td>15.9</td>
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<td>Gravel</td>
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<td>24.4</td>
<td>639.2</td>
<td>Shale &amp; Coal Gray</td>
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<td>25.6</td>
<td>638.0</td>
<td>Shale Brownish Gray</td>
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<td>43.3</td>
<td>620.3</td>
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<td>44.8</td>
<td>618.8</td>
<td>Shale Dark Gray</td>
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<td>49.4</td>
<td>614.2</td>
<td>Shale &amp; Sandstone Gray</td>
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<td>56.7</td>
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<td>70.1</td>
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<td>73.5</td>
<td>590.2</td>
<td>Shale &amp; Coal Gray</td>
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<td>75.0</td>
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<tr>
<td>76.2</td>
<td>587.4</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**NE 14-053-26 W4M**

**Well Owner:** Milner, Dave  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
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<tbody>
<tr>
<td>Licence No.:</td>
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<tr>
<td>Northing:</td>
<td>5,935,081.94</td>
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</tbody>
</table>

**General:**
- **Type of Work:** Dry Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 109.7 (m)  
- **Abandonment:** Bentonite Product  
  10 Mar 93

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Toxicity:**
- **TOC:**
- **DIC:**
- **Amm. Nitrogen:**
- **Chromium:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.6</td>
<td>673.8</td>
<td>Clay Sandy Yellow</td>
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<td>83.2</td>
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<tr>
<td>93.6</td>
<td>584.8</td>
<td>Coal</td>
</tr>
<tr>
<td>97.5</td>
<td>580.8</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>99.1</td>
<td>579.3</td>
<td>Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>103.0</td>
<td>575.3</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>104.2</td>
<td>574.1</td>
<td>Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>109.7</td>
<td>568.6</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

**Laboratory:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

*printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 6.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 18.0
- **Bottom (m):** 18.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
- **from (m):** to 18.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 16.5
- **Bottom (m):** 73.2
- **Perforated How:** Machine
- **from (m):** to 48.8 Size:
- **from (m):** to 67.1 Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 67.1

**Testing:**
- **Rate (lpm):** 10.3
- **Time (minute):** 120.0
- **Level End (m):** 64.0
- **Drawdown (m):** 57.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sulphate:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **Vanadium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Selenium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Sodium:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 14-053-26 W4M**

**Well Owner:** Petasky, Arlene

**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 674  
**AEP:** 169101  
**Licence No.:**  
**Date Started:** 08 Sep 92  
**Date Completed:** 09 Sep 92  

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth:</td>
<td>25.9 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>3.4</td>
</tr>
<tr>
<td>Veriﬁed NPWL (m):</td>
<td></td>
</tr>
</tbody>
</table>

**Abandonment:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Plastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (m):</td>
<td>24.4 Bottom (m): 24.4</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>127.0 Thickness (mm): 0.1</td>
</tr>
</tbody>
</table>

**Seal Type:** Bentonite Chips/Table

| from (m): | 15.2 to 15.9 |

<table>
<thead>
<tr>
<th>Type:</th>
<th>Plastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td></td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
<td>to Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material:</th>
<th>St</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>1.5</td>
</tr>
<tr>
<td>from (m):</td>
<td>24.4 to 25.9 Size: 0.01</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type:</th>
<th>Sub</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model:</td>
<td>5da5b Duro</td>
</tr>
</tbody>
</table>

| Intake (m): | 21.3 |

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>68.4 Time (minute): 120.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level End (m):</td>
<td>21.3 Drawdown (m): 18.0</td>
</tr>
<tr>
<td>Rec’d intake (m):</td>
<td>21.3 Rec’d Rate (lpm): 45.6</td>
</tr>
</tbody>
</table>

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
</tr>
</tbody>
</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

<table>
<thead>
<tr>
<th>Electric Log:</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gamma Log:</td>
<td>No</td>
</tr>
<tr>
<td>Aquifer Test:</td>
<td>No</td>
</tr>
<tr>
<td>Project:</td>
<td>Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data:</td>
<td>Yes</td>
</tr>
<tr>
<td>Well Field Verified:</td>
<td>No</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Information**

**Well Number:** 01599

**Well Owner:** Pollock, Sherle

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 674

**AEP:** 156777

**Licence No.:**

**Date Started:**

**Easting:** 84,732.33

**Northing:** 5,935,317.50

**Date Completed:**

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

**Completed Depth:** 79.2 (m)

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

---

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

---

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

---

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

---

**Open Hole:**

- **from (m):**
- **to:**

---

**Pump:**

- **Model:**
- **Intake (m):**

---

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

---

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted:**

- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
Well Owner: Reichert, Keith
Drilling Contractor: D&D Water Well Drilling & Services

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 87.8 m
- **NPWL (m):** 23.5 m
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 35.4 m
- **Bottom (m):** 35.4 m
- **OD (mm):** 152.4 mm
- **Thickness (mm):** 0.1 mm
- **Seal Type:** Shale Trap & Welded
- **from (m):** to 35.4 m

**Liner:**
- **Type:**
- **OD (mm):** 114.3 mm
- **Thickness (mm):** 0.1 mm
- **Top (m):** 34.1 m
- **Bottom (m):** 87.8 m
- **Perforated How:** Saw
- **from (m):** 54.9 m to 85.3 m
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 87.8 m

**Testing:**
- **Rate (lpm):** 54.7 lpm
- **Time (minute):** 240.0
- **Level End (m):** 77.1 m
- **Drawdown (m):** 53.6 m
- **Rec'd Rate (lpm):** 56.4 lpm
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Depth (m)** | **Elevation (BGL) (m)** | **Lithologic Description**
--- | --- | ---
3.7 | 662.2 | Clay Yellow
17.4 | 648.5 | Clay Blue
18.3 | 647.6 | Sand & Gravel
19.5 | 646.4 | Clay Blue
20.7 | 645.2 | Coal
22.3 | 643.6 | Shale Green
23.2 | 642.7 | Coal
32.9 | 633.0 | Sandstone
39.0 | 626.9 | Shale Green
44.8 | 621.1 | Sandstone
52.4 | 613.5 | Shale Gray
53.0 | 612.9 | Sandstone
64.6 | 601.3 | Shale Gray
67.4 | 598.5 | Coal
72.8 | 593.1 | Shale Gray
73.8 | 592.1 | Coal
78.0 | 587.9 | Shale Gray
78.6 | 587.3 | Coal
85.6 | 580.3 | Shale Gray
86.3 | 579.6 | Coal
87.8 | 578.1 | Shale Gray
**NE 14-053-26 W4M**

**Well Number:** 01601

**Well Owner:** Space Homes Ltd

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 663

**AEP:** 192862

**Licence No.:** Easting: 84,566.32

**Date Started:** Dec 92

**Date Completed:** Jan 93

**Nortthing:** 5,935,615.50

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 89.9 (m)
  - **NPWL (m):** 21.3
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 63.7
  - **Bottom (m):** 63.7
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 63.7

**Liner:**

- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 62.2
  - **Bottom (m):** 89.9
- **Perforated How:** Torch
  - **from (m):** 66.4 to 70.1
  - **to (m):** 82.3 to 84.8
- **Size:**

**Screen:**

- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **from (m):** to
- **Open Hole:**
  - **from (m):** to

**Pump:** Submersable

- **Model:** 5g07412
- **Intake (m):** 89.9

**Testing:**

- **Rate (lpm):** 22.8
  - **Time (minute):** 420.0
- **Level End (m):** 85.3
  - **Drawdown (m):** 64.0
- **Rec'd Rate (lpm):** 85.3
  - **Rec'd intake (m):** 9.1

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 115.8 m
  - **NPWL (m):** 32.9
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):**
  - **Bottom (m):**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Seal Type:** Bentonite Chips/Table
  - **from (m):**
  - **to:** 36.6

### Liner:
- **Type:**
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.0
  - **Top (m):**
  - **Bottom (m):** 109.7

### Perforated How:
- **from (m):**
- **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 106.7

### Testing:
- **Rate (lpm):** 36.5
  - **Time (minute):** 120.0
- **Level End (m):**
  - **Drawdown (m):**
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### AEP Data:
- **Yes**
  - **Well Field Verified:** No

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
NE 14-053-26 W4M

Well Owner: Wilbee, Ron
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 661
AEP: 238065
Licence No.: Easting: 84,519.41
Date Started: 25 Feb 94
Northing: 5,935,673.00
Date Completed: 01 Mar 94

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 83.8 (m)
- NPWL (m): 20.4
- Verified NPWL (m):
- Abandonment:
  - Type: Plastic
  - Depth (m): 42.1
  - Bottom (m): 42.1
  - OD (mm): 152.4
  - Thickness (mm): 0.1
  - Seal Type: Shale Trap & Bentonite

Liner:
- Type: Shale Trap & Bentonite
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 40.5
- Bottom (m): 83.8
- Perforated How: Saw
- from (m): 61.0 to 79.2
- from (m): 79.2 to 79.2
- from (m): 79.2 to 79.2

Screen:
- Material:
- OD (mm):
- from (m): to
- from (m): to
- from (m): to

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 83.8
- Rate (lpm): 43.3
- Time (minute): 120.0
- Level End (m): 72.2
- Drawdown (m): 51.8
- Rec'd intake (m): 76.2
- Rec'd Rate (lpm): 27.4

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Phosphate
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Amm. Nitrogen
- Total Phosphate
- Ion Balance
- Total Alkalinity
- Nitrate & Nitrite

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
General:
Type of Work: **Old Well-Abandoned**
Drilling Method: **Unknown**
Well Use: **Domestic**
Completed Depth: (m)
NPWL (m):
Abandonment: **Bentonite Product** 13 Jul 95

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 22.9 (m)
- **NPWL (m):** 2.1
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:

- **Type:** Plastic
- **Depth (m):** 18.0
- **Bottom (m):** 18.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

## Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

## Screen:

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 19.5 to 21.0 **Size:** 0.02
- **from (m):** to **Size:**

## Open Hole:

- **from (m):** to **Size:**

## Pump:

- **Model:**
- **Intake (m):**

## Testing:

- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 3.1
- **Drawdown (m):** 0.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td></td>
</tr>
<tr>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

## Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 01605

**Elevation (AMSL) (m):** 678

**AEP:** 153158

**Licence No.:**

**Easting:** 82,639.03

**Northing:** 5,934,647.00

**Date Started:** 24 Sep 90

**Date Completed:** 24 Sep 90

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**Well Number:** 01606

**Well Owner:** Imperial Oil

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 652

**Licence No.:** Easting: 82,338.56

**Date Started:** Northing: 5,935,047.27

**Date Completed:**

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 57.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

- **26 May 60**

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<tr>
<th>Constituent</th>
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<td>Silica</td>
<td>Lead</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Lead (lpm):**
- **Nitrate & Nitrite N:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
SE 15-053-26 W4M

Well Owner: Halstan, Paul
Drilling Contractor: Gordon'S Drilling Ltd.

Well Number: 01607
Elevation (AMSL) (m): 678
AEP: 272588
Date Started: 30 May 85
Licence No.: Easting: 83,142.25
Date Completed: 30 May 85
Northing: 5,934,382.50

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth: 13.1 (m)
NPWL (m): 4.6
Verified NPWL (m):
Abandonment:

Casing:
Type: Culvert
Depth (m): 12.5
Bottom (m): 12.5
OD (mm): 584.2
Thickness (mm): 0.0
Seal Type: Puddled Clay
from (m): to 3.1

Liner:
Type:
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 9.8

Testing:
Rate (lpm): 4.6
Time (minute): 120.0
Level End (m):
Drawdown (m): 4.0
Rec'd intake (m): 9.8
Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 15-053-26 W4M**

**Well Owner:** Utas, Gordon  
**Drilling Contractor:** Elk Point Drilling Corp.

<table>
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<tr>
<th>Elevation (AMSL) (m): 678</th>
</tr>
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<tbody>
<tr>
<td>AEP: 160257</td>
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<tr>
<td>Date Started: 10 Dec 91</td>
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<tr>
<td>Date Completed: 10 Dec 91</td>
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<tr>
<td>Licence No.: 83,142.25</td>
</tr>
<tr>
<td>Northing: 5,934,382.50</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 30.5 m  
- **NPWL (m):** 1.1  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth (m):** 10.1  
  - **Bottom (m):** 10.1  
  - **OD (mm):** 141.2  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Benseal  
  - **from (m):** to 9.1

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to  
  - **Size:** from (m): to  
  - **Size:** from (m): to  

### Screen:
- **Material:** St  
- **OD (mm):** 1.8  
- **from (m):** to 10.1  
- **Size:** 0.02  
- **from (m):** to 11.3  
- **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Berkley  
- **Intake (m):** 12.5  
- **Rate (lpm):** 45.6  
- **Time (minute):** 60.0  
- **Level End (m):**  
- **Drawdown (m):** 4.3  
- **Rec'd Rate (lpm):** 12.5  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Iodine Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 01608**

**Elevation (AMSL) (m): 678**

### Depth | Elevation | Lithologic Description
---|---|---
3.1 | 675.4 | Clay Silty Brown
4.3 | 674.2 | Silt Soft Gray
10.1 | 668.4 | Sand & Clay Stringers Very Fin
11.6 | 666.9 | Sand Very Fine Grained
13.1 | 665.4 | Clay Silty
14.6 | 663.9 | Sand Very Fine Grained Gray
18.3 | 660.2 | Till Sandy Gray
23.2 | 655.3 | Sandstone Clayey
25.0 | 653.5 | Shale Brown
25.3 | 653.2 | Coal
25.6 | 652.9 | Shale Brown
26.2 | 652.3 | Concretions Hard Brown
30.5 | 648.0 | Shale & Sandy Stringers

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

* printed on 2/20/98
### General

**Type of Work:** Chemistry  
**Drilling Method:** Unknown  
**Well Use:** Domestic  
**Completed Depth:** (m)  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:**  
**Casing:**  
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
**Liner:**  
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:**  
- **Material:** from (m): to Size:  
- **Open Hole:**  
- **Model:**  
- **Intake (m):**  
**Testing:**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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<tbody>
<tr>
<td>COD</td>
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<tr>
<td>SAR</td>
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<td>Nitrate</td>
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<tr>
<td>Nitrite</td>
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<tr>
<td>Molybdenum</td>
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</tr>
<tr>
<td>Vanadium</td>
<td></td>
</tr>
<tr>
<td>Zinc</td>
<td></td>
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<td>Hydroxide</td>
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<td>Total Hardness</td>
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</tr>
<tr>
<td>Manganese</td>
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<td>Phosphate</td>
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<tr>
<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<tr>
<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27  

**Project:** Database: **1.000H**  
**AEP Data:** Yes  
**Well Field Verified:** No
Well Number 01610

Well Owner: O’Donnell, John
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 669
AEP: 152802
Date Started: 04 Sep 90
Date Completed: 04 Sep 90
Licence No.: Easting: 80,735.30
Northing: 5,934,203.95

General:
Type of Work: Dry Hole
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 18.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Unknown

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number 01611**

**General:**
- **Type of Work:** Dry Hole
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 18.3 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Unknown

**Casing:**
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

**Liner:**
- **Type:**
  - OD (mm):
  - Top (m):
  - Thickness (mm):
  - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>5.5</td>
<td>663.4</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>9.8</td>
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<td>15.2</td>
<td>653.6</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>18.3</td>
<td>650.6</td>
<td>Shale Green</td>
</tr>
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</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- **Type of Work:** Dry Hole
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 32.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
- **Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Well Number:** 01612

**Elevation (AMSL) (m):** 669
**AEP:** 152801
**Licence No.:** Easting: 80,735.30
**Date Started:** 27 Aug 90
**Northing: 5,934,203.95**
**Date Completed: 27 Aug 90**

**Depth Elevation (BGL) (AMSL):**

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<td>32.9</td>
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**Electric Log:** No  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 23.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 15.9
- **Bottom (m):** 15.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 15.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 14.9
- **Bottom (m):** 36.6
- **Perforated How:** Machine
- **from (m):** to 36.6
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 24.4
- **Rec'd Intake (m):**
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **PN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrites:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 17-053-26 W4M**

**Well Owner:** Joe'S Auto Electric

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 660  
**AEP: 162181**

**Licence No.:**  79,908.75  
**Easting:**  
**Date Started:** 21 Nov 91  
**Nothing:** 5,934,306.50  
**Date Completed:** 21 Nov 91

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>Well Use: Domestic</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Type of Work: New Well</td>
<td>0.6</td>
<td>659.3</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>Well: 12.2</td>
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<td>Completed Depth: 2.4</td>
<td>9.4</td>
<td>650.5</td>
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<td>NPWL (m): 141.2</td>
<td>10.1</td>
<td>649.9</td>
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<td>11.0</td>
<td>649.0</td>
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<tr>
<td>Type: 10.4</td>
<td>12.2</td>
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<td>Bottom (m): 10.4</td>
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<td>OD (mm): 141.2</td>
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<tr>
<td>Seal Type: to</td>
<td></td>
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</tr>
<tr>
<td>Liner:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type:</td>
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</tr>
<tr>
<td>OD (mm): to</td>
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<td></td>
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<tr>
<td>Top (m):</td>
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<tr>
<td>Thickness (mm):</td>
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</tr>
<tr>
<td>Perforated How:</td>
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<td></td>
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<tr>
<td>from (m): to</td>
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<td>Size:</td>
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<tr>
<td>from (m): to</td>
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<td>Size:</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Size:</td>
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<tr>
<td>Screen:</td>
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<tr>
<td>Material: St</td>
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<td>OD (mm): 0.9</td>
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<td>to 11.9</td>
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<tr>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Size:</td>
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<td></td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
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</tr>
<tr>
<td>from (m): to</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td></td>
<td></td>
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<tr>
<td>Intake (m):</td>
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</tr>
<tr>
<td>Testing:</td>
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<td>Level End (m): 3.1</td>
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<tr>
<td>Drawdown (m): 0.6</td>
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</tr>
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<td>Rec'd intake (m):</td>
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</tr>
<tr>
<td>Rec'd Rate (lpm): 31.9</td>
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<th>Laboratory:</th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tr>
<td>pH (pH unit)</td>
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<td>Mercury</td>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Barium</td>
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<td>Sulphate</td>
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<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
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<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>Type of Work: Chemistry</td>
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<td>Abandonment:</td>
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<tr>
<td>Casing:</td>
<td></td>
<td></td>
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<tr>
<td>Type:</td>
<td></td>
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<td>Depth (m): Bottom (m):</td>
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<tr>
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</tr>
<tr>
<td>Seal Type: from (m): to</td>
<td></td>
<td></td>
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<tr>
<td>Liner:</td>
<td></td>
<td></td>
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<tr>
<td>Type:</td>
<td></td>
<td></td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<td>from (m): to Size:</td>
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<tr>
<td>Open Hole: from (m): to</td>
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<tr>
<td>Pump:</td>
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<tr>
<td>Model:</td>
<td>Intake (m):</td>
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</tr>
<tr>
<td>Testing: Rate (lpm):</td>
<td>Time (minute):</td>
<td></td>
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<tr>
<td>Level End (m): Drawdown (m):</td>
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<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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</table>

Laboratory:

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |
| Chemical Constituents are in mg/l (ppm). Except as noted. |
| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Stock
- **Completed Depth:** 23.2 (m)
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Galvanized Steel
- **Depth (m):** 23.2
- **Bottom (m):** 23.2
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to 3.1

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to 3.1

**Screen:**

- **Material:** Ga
- **OD (mm):** 7.0
- **from (m):** 10.1 to 10.7
- **Size:** 0.01
- **Open Hole:**
- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 9.1
- **Time (minute):** 180.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<tr>
<th>Depth (m)</th>
<th>elevation (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>6.7</td>
<td>652.3</td>
<td>Sand Yellow</td>
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<td>7.3</td>
<td>651.7</td>
<td>Clay Water Bearing Black</td>
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<td>10.7</td>
<td>648.3</td>
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<td>13.7</td>
<td>645.3</td>
<td>Clay Black</td>
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<td>14.3</td>
<td>644.7</td>
<td>Clay Blue</td>
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<td>22.9</td>
<td>636.1</td>
<td>Clay Black</td>
</tr>
<tr>
<td>23.2</td>
<td>635.8</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

Printed on: 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):** 2.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 33.5
- **Bottom (m):** 33.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Puddled Clay

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 33.5
- **to:** 36.3
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Sub
- **Intake (m):** 32.9
- **Testing:**
  - **Rate (lpm):** 4.6
  - **Time (minute):** 480.0
  - **Level End (m):** 30.5
  - **Drawdown (m):** 28.4
  - **Rec'd intake (m):**

### Laboratory:
- **COD**
- **SAR**
- **TKN**
- **Sodium**
- **Nitrate**
- **Strontium**
- **Potassium**
- **Chloride**
- **Sulphate**
- **Beryllium**
- **Phosphate**
- **Cadmium**
- **Selenium**
- **Total Hardness**
- **Amm. Nitrogen**
- **Copper**
- **Total Alkalinity**
- **Lead**
- **Nitrate&Nitrite**

### Electric Log:
- Transmissivity: m²/day
- Storativity:

### Gamma Log:
- Storativity:

### Aquifer Test:
- Project:
- Database: 1.000H

### AEP Data:
- Yes
- Well Field Verified: No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
**NE 19-053-26 W4M**

**Well Owner:** Victory Farms  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

---

**General:**  
- **Type of Work:** Dry Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Unknown  
- **Completed Depth:** 54.9 m  
- **NPWL (m):** Veriﬁed NPWL (m):  
- **Abandonment:** Unknown 03 Jul 91

**Casing:**  
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- **Liner:**  
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:**  
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **Open Hole:** from (m): to  
- **Pump:**  
- **Model:** Intake (m):  
- **Testing:**  
  - **Rate (lpm):** Time (minute): 180.0  
  - **Level End (m):** Drawdown (m):  
  - **Rec’d intake (m):** Rec’d Rate (lpm):  

**Laboratory:**  
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

---

**Depth Elevation**  
- **BGL (m):** AMSL (m):  
- **Lithologic Description**
  - 7.6 648.4 Clay Yellow  
  - 14.3 641.7 Clay Blue  
  - 17.4 638.7 Shale Gray  
  - 20.7 635.3 Shale Green  
  - 21.9 634.1 Coal  
  - 24.7 631.4 Shale Gray  
  - 27.1 628.9 Shale Sandy Gray  
  - 36.6 619.5 Shale Green  
  - 39.0 617.0 Shale Sandy Gray  
  - 39.6 616.4 Shale Brown  
  - 43.6 612.5 Shale Green  
  - 44.8 611.2 Shale Sandy Gray  
  - 47.6 608.5 Shale Gray  
  - 48.8 607.3 Shale Sandy Gray  
  - 49.7 606.4 Shale Gray  
  - 53.6 602.4 Shale Sandy Gray  
  - 54.9 601.2 Shale Gray

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1,000H  
**AEP Data:** Yes  
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 40.2 m
- **NPWL (m):** 80,019.91
  - **Verified NPWL (m):** Unknown
  - **Abandonment:** Driller

### Casing:
- **Type:**
  - **Depth (m):**
  - **Bottom (m):**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Seal Type:**
  - **from (m):**
  - **to:**

### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
  - **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Copper:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **TC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Carbonate:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Ion Balance:**
- **Chloride:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Cobalt:**
- **Total Phosphate:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**
- **TOC:**
- **Phosphate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **Vanadium:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Carbonate:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Ion Balance:**
- **Chloride:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Cobalt:**
- **Total Phosphate:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 01620**

**Well Owner:** Stewart, Frank

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 655

**AEP:** 168271

**Date Started:** 25 Aug 92

**Date Completed:** 25 Aug 92

**Licence No.:** Easting: 79,377.84

**Northing:** 5,935,663.00

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 8.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 51.8
- **Bottom (m):** 51.8
- **OD (mm):** 141.2
- **Loss Type (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 51.8

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 48.8
- **Bottom (m):** 91.4

### Perforated How:
- **Hand Drill**
- **from (m):** 61.0 to 73.2
- **Size:**
- **from (m):** 79.2 to 91.4
- **Size:**
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 4.6
- **Time (minute):** 120.0
- **Level End (m):** 91.4
- **Drawdown (m):** 82.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 4.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrile N**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 01621

**Well Owner:** Blair, Gerald R.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 658

**AEP:** 156779

**Date Started:**

**Date Completed:**

<table>
<thead>
<tr>
<th>Well Use</th>
<th>Domestic</th>
</tr>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>Easting: 84,703.16</td>
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<tr>
<td>Northing: 5,935,325.00</td>
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<table>
<thead>
<tr>
<th>Well Number:</th>
<th>Well Owner: Blair, Gerald R.</th>
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</thead>
<tbody>
<tr>
<td>Drilling Contractor: Unknown Driller</td>
<td>Elevation (AMSL) (m): 658</td>
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<tr>
<td>AEP: 156779</td>
<td>Date Started:</td>
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<tr>
<td>Date Completed:</td>
<td>Licence No.: Easting: 84,703.16</td>
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<td>Northing: 5,935,325.00</td>
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</tr>
</tbody>
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### General:

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
</tr>
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</table>

**Completed Depth:** 48.8 m

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

### Casing:

<table>
<thead>
<tr>
<th>Type:</th>
<th></th>
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<tbody>
<tr>
<td>Depth (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Seal Type:</td>
<td>from (m): to</td>
</tr>
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### Liner:

<table>
<thead>
<tr>
<th>Type:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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**Perforated How:**

<table>
<thead>
<tr>
<th>from (m): to</th>
<th>Size:</th>
</tr>
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<tbody>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
</tbody>
</table>

### Screen:

<table>
<thead>
<tr>
<th>Material:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
</tbody>
</table>

### Open Hole:

<table>
<thead>
<tr>
<th>from (m): to</th>
<th></th>
</tr>
</thead>
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### Pump:

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
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</thead>
</table>

### Testing:

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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### Laboratory:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
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<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulphate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chloride</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electric Log:

<table>
<thead>
<tr>
<th>Transmissivity:</th>
<th>m²/day</th>
</tr>
</thead>
</table>

| Gamma Log: | No |
| Storativity: | |
| Aquifer Test: | No |
| Project: | Database: 1.000H |
| AEP Data: | Yes |
| Well Field Verified: | No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**SE 23-053-26 W4M**

**Well Owner:** Carter, Andre

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 658  
**AEP:** 227884  
**Licence No.:** Easting: 84,703.16  
**Date Started:** 11 Mar 93  
**Northing:** 5,935,325.00  
**Date Completed:** 12 Mar 93

---

**General:**

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>82.3 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>17.7</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**

| Type: | Plastic |
| Depth (m): | 18.3 |
| Bottom (m): | 18.3 |
| OD (mm): | 152.4 |
| Thickness (mm): | 0.1 |
| Seal Type: | Formation Seal |
| from (m): | to 18.3 |

**Liner:**

| Type: | |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Top (m): | 14.3 |
| Bottom (m): | 81.4 |
| Perforated How: | Saw |
| from (m): | to 81.4 |
| from (m): | to Size: |
| from (m): | to Size: |

**Screen:**

| Material: | |
| OD (mm): | from (m): to |
| from (m): to Size: |
| from (m): to Size: |

**Open Hole:**

| from (m): to |

**Pump:**

| Model: | Intake (m): |
| Rate (lpm): | 9.1 |
| Time (minute): | 420.0 |
| Level End (m): | 64.0 |
| Drawdown (m): | 46.3 |
| Rec'd intake (m): | 64.0 |
| Rec'd Rate (lpm): | 9.1 |

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.0</td>
<td>653.6</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>6.1</td>
<td>651.5</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>7.6</td>
<td>649.9</td>
<td>Clay &amp; Gravel Sandy</td>
</tr>
<tr>
<td>10.1</td>
<td>647.5</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>13.4</td>
<td>644.1</td>
<td>Clay &amp; Coal Sandy</td>
</tr>
<tr>
<td>15.2</td>
<td>642.3</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>20.7</td>
<td>636.8</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>22.9</td>
<td>634.7</td>
<td>Shale &amp; Coal Brown</td>
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<tr>
<td>25.6</td>
<td>632.0</td>
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<td>28.7</td>
<td>628.9</td>
<td>Shale Light Gray</td>
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<td>32.6</td>
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<td>35.7</td>
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<td>43.3</td>
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<td>56.4</td>
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<tr>
<td>82.3</td>
<td>576.3</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**NE 01-053-27 W4M**

**Well Owner:** Harris, Albert  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.  

**Well Number:** 01640  
**Elevation (AMSL) (m):** 684  
**AEP:** 152021  
**Licence No.:** Easting: 76,788.16  
**Date Started:** Northing: 5,931,984.50  
**Date Completed:** 10 Oct 89  

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 18.3 (m)  
- **NPWL (m):** 7.0  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:

- **Type:** Plastic  
- **Depth (m):** 15.9  
- **Bottom (m):** 15.9  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** 12.2  
- **to:**  

### Liner:

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** from (m): to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:

- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 15.9  
- **to:** 17.4  
- **Size:** 0.01  
- **from (m):**  
- **to:**  
- **Open Hole:**  
- **from (m):**  
- **to:**  

### Pump:

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 54.7  
- **Time (minute):** 420.0  
- **Level End (m):** 13.7  
- **Drawdown (m):** 6.7  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 27.4  

### Laboratory:

| pH (pH unit) | COD | Mercury |  
| Cond. (µS/cm) | SAR | Nickel |  
| TDS | TKN | Selenium |  
| Sodium | Nitrate | Strontium |  
| Potassium | Nitrite | Molybdenum |  
| Calcium | TN | Vanadium |  
| Magnesium | TC | Zinc |  
| Carbonate | DIC | Hydroxide |  
| Bicarbonate | Arsenic | Total Hardness |  
| Aluminum | Barium | Manganese |  
| Sulphate | Beryllium | Phosphate |  
| Chloride | Cadmium | Ion Balance |  
| Fluoride | Chromium | Amm. Nitrogen |  
| Iron | Cobalt | Total Phosphate |  
| TOC | Copper | Total Alkalinity |  
| Silica | Lead | Nitrate & Nitrite |  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-053-27 W4M**

Well Owner: **Wangler, Wayne**

Drilling Contractor: **Unknown Driller**

**Well Number 01641**

Elevation (AMSL) (m): **686**

Licence No.: **156781**

Date Started: Not Applicable

Date Completed: Not Applicable

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

**Casing:**
- Type: Unknown
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type: Unknown
- OD (mm): Thickness (mm):
- Top (m): Bottom (m): Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: Unknown
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite N

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 24.4 (m)
- NPWL (m): 9  
  - Verified NPWL (m): 
  - Abandonment:

**Casing:**
- **Type:** Steel
- **Depth (m):** 21.6  
  - Bottom (m): 21.6
- **OD (mm):** 114.3  
  - Thickness (mm): 0.0
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
  - OD (mm): Thickness (mm):
  - from (m): to
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to
    - Size: 
  - from (m): to
  - Size: 
  - from (m): to
  - Size: 

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
  - from (m): 21.6 to 22.9
  - Size: 0.01
- **from (m):** to 
  - Size: 

**Open Hole:**
- from (m): to 

**Pump:**
- **Model:** Intake (m): 18.3

**Testing:**
- **Rate (lpm):** 136.8
  - Time (minute): 120.0
- **Level End (m):** 12.2
  - Drawdown (m): 11.3
- **Rec'd intake (m):** Rec'd Rate (lpm): 136.8

**Laboratory:**
- pH (pH unit): COD  
  - Mercury
- Cond. (µS/cm): SAR  
  - Nickel
- TDS: TKN  
  - Selenium
- Sodium: Nitrate  
  - Strontium
- Potassium: Nitrite  
  - Molybdenum
- Calcium: TN  
  - Vanadium
- Magnesium: TC  
  - Zinc
- Carbonate: DIC  
  - Hydroxide
- Bicarbonate: Arsenic  
  - Total Hardness
- Aluminum: Barium  
  - Manganese
- Sulphate: Beryllium  
  - Phosphate
- Chloride: Cadmium  
  - Ion Balance
- Fluoride: Chromium  
  - Amm. Nitrogen
- Iron: Cobalt  
  - Total Phosphate
- TOC: Copper  
  - Total Alkalinity
- Silica: Lead  
  - Nitrate&Nitrite

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m)**
- 10.7 680.5 Clay Sandy
- 15.2 675.9 Sand
- 17.4 673.8 Coal
- 23.2 668.0 Sand & Gravel See Comments
- 24.4 666.8 Clay
NE 02-053-27 W4M

Well Owner: Schwindt, Norman
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 01643

Elevation (AMSL) (m): 688
Licence No.: Easting: 75,320.66
Date Started: 30 Jul 90
Date Completed: 31 Jul 90

AEP: 152521
Northing: 5,931,947.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 77.7 (m)
NPWL (m): 9.1
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 17.1
Bottom (m): 17.1
OD (mm): 152.4
Thickness (mm): 0.1

Seal Type: Driven
from (m): to 17.1

Depth Elevation
(BGL) (AMSL)
(m) (m) Lithologic Description
6.1 681.8 Clay Yellow
16.1 671.8 Clay Blue
17.7 670.2 Shale Gray
20.4 667.5 Shale & Coal Brown
22.3 665.7 Shale Gray
23.2 664.8 Shale & Coal Brown
27.4 660.5 Shale Gray
28.4 659.6 Coal
37.2 650.7 Shale Gray
46.9 641.0 Shale Sandy Gray
57.9 630.0 Shale Green
59.1 628.8 Shale Sandy Gray
59.7 628.2 Shale Gray
60.7 627.3 Shale & Coal Soft Brown
64.3 623.6 Shale Gray
65.2 622.7 Coal
77.7 610.2 Shale Gray

Liner:
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 17.1
Bottom (m): 76.8

Perforated How: Machine
from (m): 17.1 to 76.8
Size: from (m): to
Size: from (m): to
Size: from (m): to

Screen:
Material: Plastic
OD (mm):
from (m): to
Size: from (m): to
Size: from (m): to

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 11.4
Time (minute): 420.0
Level End (m): 39.6
Drawdown (m): 30.5
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
**Well Number: 01644**

**Spruce Bluff Estates Ltd.**

**Unknown Driller**

**Elevation (AMSL) (m): 685**

**Licence No.:**

**Date Started:**

**Northing: 5,931,973.00**

**Date Completed:**

**Water Well Positioned by PFRA in 10TM NAD 27**

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

**Completed Depth:** 30.5 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:** from (m): to Size:

**Open Hole:**

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:

**Pump:**
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm), Except as noted.**

### Electric Log: No **Transmissivity:** m²/day

**Gamma Log: No **Storativity:**

**Aquifer Test: No**

**Project: Database: 1.000H**

**AEP Data: Yes Well Field Verified: No**

**Remarks:**

**(No Lithologic Information Available)**
**SE 06-053-27 W4M**

**Well Owner:** Weitzel, Wm  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 697  
**AEP:** 227877  
**Licence No.:** Easting: 68,466.88  
**Date Started:** 15 Oct 91  
**Northing: 5,930,710.50**  
**Date Completed:** 15 Oct 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 28.0 (m)  
- **NPWL (m):** 2.4  
- **Abandonment:**
- **Type:** Plastic  
- **Depth (m):** 24.4  
- **Bottom (m):** 24.4  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 24.4

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 24.4  
- **to:** 25.6  
- **Size:** 0.01

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 34.2  
- **Time (minute):** 420.0  
- **Level End (m):** 15.2  
- **Drawdown (m):** 9.1  
- **Rec'd Rate (lpm):** 15.2  
- **Rec'd intake (m):** 31.9

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **NK:**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### NE 07-053-27 W4M

**Well Owner:** Kukurba, Mike  
**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 682  
**AEP:** 167250  
**Licence No.:** 68,774.93  
**Date Started:** 09 Jun 92  
**Norting:** 5,933,783.50  
**Date Completed:** 11 Jun 92

---

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<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
</tr>
<tr>
<td>Completed Depth 51.8 (m)</td>
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</tr>
<tr>
<td>NPWL (m): 1.5 Verified NPWL (m):</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

- **Casing:**  
  - Type: Steel  
  - Depth (m): 41.8  
  - Bottom (m): 41.8  
  - OD (mm): 141.2  
  - Thickness (mm): 0.1  
  - Seal Type: Driven  
  - from (m): to 41.8

- **Liner:**  
  - Type:  
  - OD (mm):  
  - Thickness (mm):  
  - Top (m): Bottom (m):  
  - Perforated How:  
    - from (m): to Size:  
    - from (m): to Size:  
    - from (m): to Size:

- **Screen:**  
  - Material: St  
  - OD (mm): 1.3  
  - from (m): 41.8 to 43.6 Size: 0.01  
  - from (m): to Size:

- **Open Hole:**  
  - from (m): to

- **Pump:**  
  - Model: 7g03  
  - Intake (m): 33.5

- **Testing:**  
  - Rate (lpm): 45.6  
  - Time (minute): 180.0  
  - Level End (m): 10.7  
  - Drawdown (m): 9.1  
  - Rec’d Rate (lpm): 41.1

---

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<tr>
<th>Laboratory:</th>
<th>Electric Log:</th>
<th>Transmissivity:</th>
<th>Electric Log: m²/day</th>
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<td>Cobalt</td>
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<tr>
<td>TOC</td>
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<td></td>
</tr>
<tr>
<td>Copper</td>
<td></td>
<td></td>
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<td>Screen</td>
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<td>Material: Lead</td>
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<td>Electrical Log: m²/day</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 21.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 17.4
- **Bottom (m):** 17.4
- **OD (mm):** 104.7
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**  to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**  to  Size:
- **from (m):**  to  Size:
- **from (m):**  to  Size:

**Screen:**
- **Material:** St
- **OD (mm):** 11.1
- **from (m):** 17.4  to  20.4  Size: 0.02
- **from (m):**  to  Size:

**Open Hole:**
- **from (m):**  to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 77.5
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lab:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Depth Elevation (BGL) (AMSL) | Lithologic Description**
---|---
6.1 667.5 | Clay & Sand
12.2 661.4 | Clay Blue
17.1 656.5 | Clay Blue
17.7 655.9 | Sand & Coal
18.3 655.3 | Gravel
20.4 653.2 | Gravel
21.0 652.6 | Clay

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 30.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 48.2
- **Bottom (m):** 48.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

### Well Use:
- **Well Use:** Domestic

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Type</th>
<th>Elevation (m)</th>
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<tbody>
<tr>
<td>21.6</td>
<td>Clay Sandy Yellow</td>
<td>651.9</td>
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<td>25.9</td>
<td>Clay &amp; Sand</td>
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<td>34.4</td>
<td>Clay Yellow</td>
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<td>37.2</td>
<td>Clay &amp; Sand</td>
<td>636.3</td>
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<td>42.1</td>
<td>Clay Blue</td>
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<td>50.0</td>
<td>Clay &amp; Sand</td>
<td>623.5</td>
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<tr>
<td>54.9</td>
<td>Clay Blue</td>
<td>618.6</td>
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</tbody>
</table>

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Nitrate:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **Nickel:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Magnesium:**
- **Calcium:**
- **Barium:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 37.2
- **Drawdown (m):** 6.4
- **Rec'd Rate (lpm):** 42.7
- **Rec'd intakes (m):** 22.8

### Electrical Log:
- **Transmissivity:** 1.000H

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Database:
- **Verified:** Yes

### Well Field Verified:
- **No**

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**Well Number 01649**

**Well Owner:** Croken, Robert  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 681  
**Licence No.:** 681  
**Date Started:**  
**Easting: 71,451.56**  
**Northing: 5,933,009.00**  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 44.2 m  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- **Elevation (m):** (AMSL)

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:** from (m): to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Intake (m):  
- **Testing:**  
  - **Rate (lpm):** Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project:** Database: 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number: 01650**

**SE 09-053-27 W4M**

**Well Owner:** Kroker, Bob  
**Drilling Contractor:** Summer's Drilling Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m): 681</th>
<th>AEP: 239068</th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>Easting: 71,835.56</td>
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<tr>
<td>Date Started:</td>
<td>Northing: 5,932,566.00</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>17 Nov 92</td>
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</table>

**General:**
- Type of Work: New Well
- Drilling Method: Rotary  
- Well Use: Domestic

**Completed Depth:** 44.2 (m)  
**NPWL (m):** .9  
**Verified NPWL (m):**  
**Abandonment:**  

**Casing:**
- Type: Plastic
- **Depth (m):** 44.2  
- **Bottom (m):** 44.2  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tablet
- **from (m):** 9.1  
- **to:** 15.2

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  

**Screen:**
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 42.7  
- **to:** 44.2  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:** Intake (m): 30.5

**Testing:**
- **Rate (lpm):** 114.0  
- **Time (minute):** 180.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 29.6  
- **Rec'd intake (m):** 18.3  
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Measurement Unit</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Sodium</td>
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<td>Magnesium</td>
<td>TC</td>
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<tr>
<td>Carboante</td>
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<tr>
<td>Bicarbonate</td>
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<tr>
<td>Aluminum</td>
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<tr>
<td>Phosphate</td>
<td>Cadmium</td>
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<tr>
<td>Ion Balance</td>
<td>Chromium</td>
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<tr>
<td>Amm. Nitrogen</td>
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<td>Total Phosphate</td>
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<tr>
<td>Total Alkalinity</td>
<td>Lead</td>
</tr>
<tr>
<td>Nitrate &amp; Nitrite N</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:**  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Chemical Constituents are in mg/l (ppm). Except as noted.
SE 09-053-27 W4M

Well Owner: Prevale Const
Drilling Contractor: Summers, David Drilling

Well Number 01651
Elevation (AMSL) (m): 681
AEP: 239067
Licence No.: Easting: 71,835.56
Date Started: 25 Aug 93 Northing: 5,932,566.00
Date Completed: 25 Aug 93

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<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<td>(BGL) (AMSL)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>(m) (m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
</tr>
<tr>
<td>Completed Depth 44.2 (m)</td>
<td>9.1 671.4 Clay Brown</td>
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<tr>
<td>NPWL (m): 6</td>
<td>13.7 666.8 Clay Blue</td>
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<tr>
<td>Verified NPWL (m):</td>
<td>27.4 653.1 Silt Blue</td>
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<td>Abandonment:</td>
<td>44.2 636.4 Sand</td>
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<table>
<thead>
<tr>
<th>Casing:</th>
<th>Electric Log: No</th>
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</thead>
<tbody>
<tr>
<td>Type: Plastic</td>
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<tr>
<td>Depth (m): 44.2 Bottom (m): 44.2</td>
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<td>OD (mm): 127.0 Thickness (mm): 0.1</td>
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<td>Seal Type: Bentonite Chips/Tabl</td>
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<tr>
<td>from (m): 12.2 to 18.3</td>
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<tr>
<td>Type: Plastic</td>
<td>Well Field Verified: No</td>
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<td>OD (mm):</td>
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<tr>
<td>Top (m):</td>
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<tr>
<td>Perforated How:</td>
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</tr>
<tr>
<td>from (m):</td>
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</tr>
<tr>
<td>from (m):</td>
<td></td>
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<tr>
<td>from (m):</td>
<td></td>
</tr>
</tbody>
</table>

| Screen: | |
|---------| |
| Material: St | Electric Log: No |
| OD (mm): 1.2 | Transmissivity: m³/day |
| from (m): 42.7 to 44.2 | Gamma Log: No |
| from (m): | Storativity: |
| from (m): | Aquifer Test: No |
| from (m): | Project: Database: 1.000H |
| from (m): | AEP Data: Yes |
| Screen: | Well Field Verified: No |
| from (m): | Chemical Constituents are in mg/l (ppm). Except as noted. |
| from (m): | Water Well Positioned by PFRA in 10TM NAD 27 |
| from (m): | |

| Pump: Jacuzzi | |
|--------------| |
| Model: | Electric Log: No |
| Intake (m): 24.4 | Transmissivity: m³/day |
| Testing: | Gamma Log: No |
| Rate (lpm): 205.2 | Storativity: |
| Time (minute): 180.0 | Aquifer Test: No |
| Level End (m): 24.4 | Project: Database: 1.000H |
| Drawdown (m): 7.6 | AEP Data: Yes |
| Rec'd Rate (lpm): | Well Field Verified: No |
| Intake (m): 24.4 | Chemical Constituents are in mg/l (ppm). Except as noted. |

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<thead>
<tr>
<th>Laboratory:</th>
<th>Water Well Positioned by PFRA in 10TM NAD 27</th>
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<tbody>
<tr>
<td>pH (pH unit):</td>
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<td>Cond. (µS/cm):</td>
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<td>Sulphate</td>
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<tr>
<td>DIC</td>
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</tbody>
</table>
**Well Number: 01652**

**General:**
- Type of Work: *New Well*
- Drilling Method: *Rotary*
- Well Use: *Domestic*
- Completed Depth: 35.7 m
- NPWL (m): 3.7
- Veriﬁed NPWL (m): 3.7
- Abandonment:

**Casing:**
- Type: *Plastic*
- Depth (m): 34.1
- Bottom (m): 34.1
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: *Bentonite Chips/Tablet*
- from (m): to 30.5

**Liner:**
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: *St*
- OD (mm): 1.2
- from (m): 34.1 to 35.7
- Size: 0.02
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): 30.5

**Testing:**
- Rate (lpm): 100.3
- Time (minute): 120.0
- Level End (m): 30.5
- Drawdown (m): 26.8
- Rec’d intake (m): 30.5
- Rec’d Rate (lpm): 45.6

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silicona: Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 10-053-27 W4M**

**Well Owner:** Links Golf Course  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 672  
**AEP:** 156783  
**Date Started:**  
**Easting:** 73,611.83  
**Northing:** 5,933,557.00  
**Date Completed:**

<table>
<thead>
<tr>
<th>Well Number:</th>
<th>01653</th>
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</table>

| Links Golf Course  
| Unknown Driller  
| Domestic  
| (No Lithologic Information Available)  
| No  
| No  
| No  
| 1.000H  
| No No  
| No  
| Yes No  
| Water Well Positioned by PFRA in 10TM NAD 27 |

| Chemistry  
| Not Applicable  
| Easting:  
| Northing: |

| General:  
| Type of Work: Chemistry  
| Drilling Method: Not Applicable  
| Well Use: Domestic  
| Completed Depth:  
| NPWL (m):  
| Verif NPWL (m):  
| Abandonment:  

| Casing:  
| Type:  
| Depth (m):  
| Bottom (m):  
| OD (mm):  
| Thickness (mm):  
| Seal Type:  
| from (m):  
| to  

| Liner:  
| Type:  
| OD (mm):  
| Thickness (mm):  
| Top (m):  
| Bottom (m):  
| Perforated How:  
| from (m):  
| to  
| Size:  
| from (m):  
| to  
| Size:  
| from (m):  
| to  
| Size:  

| Screen:  
| Material:  
| OD (mm):  
| from (m):  
| to  
| Size:  
| from (m):  
| to  
| Size:  
| from (m):  
| to  

| Open Hole:  
| from (m):  
| to  

| Pump:  
| Model:  
| Intake (m):  

| Testing:  
| Rate (lpm):  
| Time (minute):  
| Level End (m):  
| Drawdown (m):  
| Rec'd intake (m):  
| Rec'd Rate (lpm):  

| Laboratory:  
| pH (pH unit):  
| COD  
| Cond. (µS/cm):  
| SAR  
| TDS:  
| TKN  
| Sodium:  
| Nitrate:  
| Strontium:  
| Potassium:  
| Nitrite:  
| Molybdenum:  
| Calcium:  
| TN  
| Vanadium:  
| Magnesium:  
| TC  
| Zinc:  
| Carbonate:  
| DIC  
| Hydroxide:  
| Bicarbonate:  
| Arsenic:  
| Total Hardness:  
| Aluminum:  
| Barium:  
| Manganese:  
| Sulphate:  
| Beryllium:  
| Phosphate:  
| Chloride:  
| Cadmium:  
| Iron Balance:  
| Fluoride:  
| Chromium:  
| Amm. Nitrogen:  
| Iron:  
| Cobalt:  
| Total Phosphate:  
| TOC:  
| Copper:  
| Total Alkalinity:  
| TOC:  
| Copper:  
| TOC:  
| Copper:  

| Chemical Constituents are in mg/l (ppm). Except as noted.  
| Electric Log: No  
| Transmissivity: m²/day  
| Gamma Log: No  
| Storativity:  
| Aquifer Test: No  
| Project:  
| Database: 1.000H  
| AEP Data: Yes  
| Well Field Verified: No  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic & Stock
- **Completed Depth:** 15.5 (m)
- **NPWL (m):** 2.7, Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- **Seal Type:** Puddled Clay
  - from (m): to 2.4

## Liner:
- **Type:**
  - OD (mm): 533.4
  - Thickness (mm): 0.0
  - Top (m): Bottom (m): 15.5

## Perforated How:
- **Type:** Axe/Chisel
  - from (m): 6.1 to 15.5
  - Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:
- **from (m):**
- **Top (m):**

## Pump:
- **Model:** Intake (m): 15.5

## Testing:
- **Rate (lpm):** 18.2
  - Time (minute): 360.0
- **Level End (m):** 15.5
  - Drawdown (m): 12.8
- **Rec'd intake (m):** 14.6
  - Rec'd Rate (lpm): 22.8

## Laboratory:
- **pH (pH unit):** COD
  - Cond. (µS/cm): SAR
  - TDS: TKN
  - Sodium: Nitrate
  - Potassium: Nitrite
  - Calcium: TN
  - Magnesium: TC
  - Carbonate: DIC
  - Bicarbonate: Arsenic
  - Aluminium: Barium
  - Sulphate: Beryllium
  - Chloride: Cadmium
  - Fluoride: Chromium
  - Iron: Cobalt
  - TOC: Copper
  - Silica: Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:** m³/day
  - **Gamma Log:** Storativity:
  - **Aquifer Test:** Copper
  - **TOC:** Total Alkalinity
  - **Silica:** Lead

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation
<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
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<td>0.3</td>
<td>670.2</td>
<td>Topsoil Black</td>
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<tr>
<td>2.7</td>
<td>667.8</td>
<td>Clay &amp; Rocks Light Brown</td>
</tr>
<tr>
<td>10.1</td>
<td>660.5</td>
<td>Clay Soft Gray</td>
</tr>
<tr>
<td>10.7</td>
<td>659.9</td>
<td>Sand Water Bearing Brown</td>
</tr>
<tr>
<td>14.6</td>
<td>655.9</td>
<td>Clay Soft Gray</td>
</tr>
<tr>
<td>15.5</td>
<td>655.0</td>
<td>Shale &amp; Sandstone</td>
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</table>

### Database:
- **AEP Data:** Yes
  - **Well Field Verified:** No

**Printed on:** 2/20/98
**NW 12-053-27 W4M**

Well Owner: *Wagner, Bill*
Drilling Contractor: *Midwest Water Well Ltd.*

**Well Number:** 01655

**Elevation (AMSL) (m):** 672
**AEP:** 150193
**Licence No.:** Easting: 75,784.84
**Date Started:** Northing: 5,933,318.50
**Date Completed:** 20 Mar 90

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<tr>
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<td><strong>(m) (m)</strong></td>
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<td><strong>Well Use:</strong> Stock</td>
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<tr>
<td><strong>Completed Depth:</strong> 15.2 (m)</td>
<td>7.9 664.2</td>
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<td>9.4 662.6</td>
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<tr>
<td><strong>Casing:</strong></td>
<td>Coal Sandy</td>
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<tr>
<td><strong>Type:</strong> Plastic</td>
<td>10.7 661.4</td>
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<tr>
<td><strong>Bottom (m):</strong> 9.1</td>
<td>11.6 660.5</td>
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<tr>
<td><strong>Thickness (mm):</strong></td>
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<td></td>
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<td>9.4 662.6</td>
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<td>Coal Sandy</td>
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<td><strong>Top (m):</strong></td>
<td>10.7 661.4</td>
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<td>Clay Blue</td>
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<td><strong>Bottom (m):</strong></td>
<td>11.6 660.5</td>
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<td></td>
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<td><strong>Perforated How:</strong></td>
<td>15.2 656.8</td>
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<td>from (m):</td>
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<td></td>
</tr>
<tr>
<td>from (m):</td>
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<td>to</td>
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<td>from (m):</td>
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<td>to</td>
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<th><strong>Open Hole:</strong></th>
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<td><strong>Material:</strong> St</td>
<td><strong>from (m):</strong></td>
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<td>to</td>
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<table>
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<tr>
<th><strong>Pump:</strong></th>
<th><strong>Testing:</strong></th>
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<tbody>
<tr>
<td><strong>Model:</strong></td>
<td><strong>Rate (lpm):</strong> 6.8</td>
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<td><strong>Drawdown (m):</strong> 6.1</td>
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<td><strong>Rec'd intake (m):</strong></td>
<td><strong>Rec'd Rate (lpm):</strong> 4.6</td>
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<tr>
<td><strong>pH (pH unit):</strong></td>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>Aquifer Test:</strong> No</td>
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<td><strong>TOC:</strong></td>
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<td><strong>Total Hardness:</strong></td>
<td><strong>Size:</strong></td>
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<tr>
<td><strong>Barium:</strong></td>
<td><strong>Total Alkalinity:</strong></td>
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<tr>
<td><strong>Manganese:</strong></td>
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<td><strong>Calcium:</strong></td>
<td><strong>Total Phosphate:</strong></td>
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<td><strong>Nitrate:</strong></td>
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<td><strong>Total Hardness:</strong></td>
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<tr>
<td><strong>Nitrite:</strong></td>
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<td><strong>Iron:</strong></td>
<td><strong>From (m):</strong></td>
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<tr>
<td><strong>Cobalt:</strong></td>
<td>to</td>
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<td><strong>Aluminum:</strong></td>
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<td><strong>Intake (m):</strong></td>
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<td><strong>Cabinet:</strong></td>
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<tr>
<td><strong>Fluoride:</strong></td>
<td><strong>Intake (m):</strong></td>
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<tr>
<td><strong>Chromium:</strong></td>
<td><strong>Cabinet:</strong></td>
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<tr>
<td><strong>Amm. Nitrogen:</strong></td>
<td><strong>Cabinet:</strong></td>
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<td><strong>Iron:</strong></td>
<td><strong>Cabinet:</strong></td>
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<tr>
<td><strong>Cobalt:</strong></td>
<td><strong>Cabinet:</strong></td>
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<td><strong>Cabinet:</strong></td>
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<td><strong>Total Alkalinity:</strong></td>
<td><strong>Cabinet:</strong></td>
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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted:</strong></td>
<td><strong>Project:</strong> 1.000H</td>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
General:

Type of Work: Old Well-Abandoned
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 131.1 (m)
NPWL (m): 38.1
Abandonment:

Casing:

Type: Steel
Depth (m): 36.0
Bottom (m): 36.0
OD (mm): 142.8
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 36.0

Liner:

Type:
OD (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:

Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:

from (m): to

Pump:

Model:
Intake (m): 131.1

Testing:

Rate (lpm): 2.3
Time (minute): 120.0
Level End (m): 131.1
Drawdown (m): 93.0
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Potassium Nitrate Strontium
Calcium TKN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Flouride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
# Well Details

**Well Number:** 01657

**Well Owner:** Broughton, Allan
**Drilling Contractor:** Rodco Drilling

## General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 100.6 (m)
- **NPWL (m):** 2.4
- **Abandonment:**

## Casing
- **Type:** Plastic
- **Depth (m):** 32.9
- **Bottom (m):** 32.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 32.9

## Liner
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 31.4
- **Bottom (m):** 100.6

## Screen
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

## Open Hole
- **from (m):** to

## Pump
- **Model:** Jacuzzi
- **Intake (m):** 88.4

## Testing
- **Rate (lpm):** 6.8
- **Time (minute):** 240.0
- **Level End (m):** 82.3
- **Drawdown (m):** 79.8
- **Rec'd Rate (lpm):** 18.2

## Laboratory
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Molybdenum:**
- **Mercury:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Vanadium:**
- **Zinc:**
- **Manganese:**
- **Phosphate:**
- **Barium:**
- **Phosphorus:**
- **Cadmium:**
- **Cadmium:**
- **As:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

## Electric Log
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Remarks
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 13-053-27 W4M**

**Well Owner:** Jakes Potatoes  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 43.6 (m)  
- **NPWL (m):** 18.3  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 38.1  
- **Bottom (m):** 38.1  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  
- **Liner:**

**Screen:**  
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 38.1  
- **to:** 39.6  
- **Size:** 0.01  
- **Open Hole:** from (m): to

**Pump:**  
- **Model:** Intake (m): 21.3

**Testing:**  
- **Rate (lpm):** 63.9  
- **Time (minute):** 420.0  
- **Level End (m):** 21.3  
- **Drawdown (m):** 3.1  
- **Rec'd intake (m):**

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **COD:**  
- **SAR:**  
- **TN:**  
- **DIC:**  
- **DIC:**  
- **DIC:**  
- **DIC:**  
- **DIC:**  
- **DIC:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
NW 13-053-27 W4M

Well Owner: Lemmen, Jeff
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 01659

Elevation (AMSL) (m): 669
AEP: 156188

Licence No.: Easting: 75,442.16
Date Started: 28 May 91 Northing: 5,935,274.50
Date Completed: 29 May 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 36.6 (m)
NPWL (m): 10.7 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 32.3 Bottom (m): 32.3
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: from (m): to

Liner:
Type: from (m): to
Thickness (mm): Size:
OD (mm): Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2
from (m): 32.3 to 33.8 Size: 0.02
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 16.0 Time (minute): 420.0
Level End (m): 24.4 Drawdown (m): 13.7
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

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<th>Type of Work:</th>
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<tbody>
<tr>
<td>Drilling Method:</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<tr>
<td>Completed Depth</td>
<td>32.0 (m)</td>
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<td>NPWL (m):</td>
<td>6.1</td>
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<tr>
<td>Abandonment:</td>
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</tr>
</tbody>
</table>

**Casing:**

| Type: | Galvanized Steel |
| Depth (m): | 27.7 |
| Bottom (m): | 27.7 |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Seal Type: | Sand Pack |
| from (m): | to 29.0 |

**Liner:**

| Type: | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | from (m): to Size: |
| from (m): to Size: |
| from (m): to Size: |

**Screen:**

| Material: | St |
| OD (mm): | 9.9 |
| from (m): | 27.7 to 29.0 |
| Size: | 0.01 |
| from (m): to Size: |

**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): |
| Testing: | |
| Rate (lpm): | 9.1 |
| Time (minute): | 420.0 |
| Level End (m): | 24.4 |
| Rec'd intake (m): | 18.3 |

**Laboratory:**

| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Iron Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silicon | Lead | Molybdenum |
| | | Chemical Constituents are in mg/l (ppm). Except as noted. |

**Depth Elevation (BGL) (AMSL):**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.6</td>
<td>652.4</td>
<td>Clay Yellow</td>
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<tr>
<td>25.9</td>
<td>631.1</td>
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<tr>
<td>29.0</td>
<td>628.0</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>31.7</td>
<td>625.3</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>32.0</td>
<td>626.0</td>
<td>Shale Gray</td>
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</table>

**Testing:**

| Electric Log: | No |
| Transmissivity: | m³/day |
| Gamma Log: | No |
| Storativity: | |
| Aquifer Test: | No |
| Project: | Database: 1.000H |
| AEP Data: | Yes |
| Well Field Verified: | No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 01661

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 92.1 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 27.7
- **Bottom (m):** 27.7
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 25.9 to 27.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 4.0
- **Bottom (m):** 90.5
- **Perforated How:** Machine
- **from (m):** 45.7 to 49.4
- **Size:**
- **from (m):** 57.9 to 64.0
- **Size:**
- **from (m):** 84.4 to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **Size:**
- **from (m):**
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:** Sub
- **Intake (m):** 79.2

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 300.0
- **Level End (m):** 73.2
- **Drawdown (m):** 70.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 13-053-27 W4M**

**Well Owner:** Wirsta, Eugene  
**Drilling Contractor:** Summer's Drilling Ltd.

**Elevation (AMSL) (m):** 657  
**AEP:** 282086  
**Licence No.:** Easting: 75,660.48  
**Date Started:** Northing: 5,934,898.00  
**Date Completed:** 17 Sep 75

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic  
- **Completed Depth:** 11.9 (m)  
- **NPWL (m):** 3.1  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 11.9  
- **Bottom (m):** 11.9  
- **OD (mm):** 406.4  
- **Thickness (mm):**
- **Seal Type:** Loose  
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to  
  - Size:
- **from (m):** to  
  - Size:
- **from (m):** to  
  - Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to  
  - Size:
  - from (m): to  
  - Size:
- **Open Hole:**
  - from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TKN:** Selenium  
- **Sodium:** Nitrate  
- **Strontium:** Selenium  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminium:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate & Nitrite N:**
- **DIC:** Hydroxide  
- **Calcium:** Magnesium  
- **Zinc:**
- **Barium:** Manganese  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 14-053-27 W4M**

Well Owner: **Oviatt, Bill**  
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

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<th>Well Number: 01663</th>
<th>Elevation (AMSL) (m): 657</th>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 29.9 (m)
- **NPWL (m):** 6.1  
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 23.5  
- **Bottom (m):** 23.5
- **OD (mm):** 152.4
- **Thicknes (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 23.5

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 23.5 to 24.7
- **Size:** 0.01
- **from (m):** to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m):
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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<tr>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**NW 14-053-27 W4M**

<table>
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<th>Well Owner: Nagtegaal, Jacob</th>
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<tbody>
<tr>
<td>Drilling Contractor: McGinn, Gerald Drilling Ltd.</td>
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<tr>
<td>Well Number: 01664</td>
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**Elevation (AMSL) (m):** 664  
**AEP: 169928**

**Licence No.:** Easting: 73,846.57  
**Date Started:** 24 Sep 92  
**Northing: 5,934,792.50**  
**Date Completed:** 25 Sep 92

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary  
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)  
- **NPWL (m):** 22.3  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 33.5  
- **Bottom (m):** 33.5  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 33.5

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**  
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Screen:**
- **Material:** PI  
- **OD (mm):** 1.2  
- **from (m):** 33.5  
- **to 35.0**  
- **Size:** 0.01
- **from (m):**  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 34.2  
- **Time (minute):** 420.0
- **Level End (m):** 21.6  
- **Drawdown (m):** 0.6
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrates:**
- **Molybdenum:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Vanadium:**
- **TC:**
- **DIC:**
- **DIC:**
- **Total Hardness:**
- **Arsenic:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Mercury:**
- **Sulphate:**
- **Sodium:**
- **Nitrite:**
- **Total Alkalinity:**
- **Barium:**
- **Phosphate:**
- **Copper:**
- **Total Phosphate:**
- **Chloride:**
- **Amm. Nitrogen:**
- **Manganese:**
- **Total Alkalinity:**
- **Silica:**
- **Calcium:**
- **Bicarbonate:**
- **Zinc:**
- **TDS:**
- **DIC:**
- **Sulphate:**
- **Nitrate:**
- **Nitrite:**
- **Iron:**
- **Calcium:**
- **TOC:**
- **Lead:**
- **Phosphate:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Nickel:**
- **Bicarbonate:**
- **Iron:**
- **Fluoride:**
- **Potassium:**
- **Cadmium:**
- **Manganese:**
- **Sulphate:**
- **Chloride:**
- **Iron:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Manganese:**
- **Chloride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Manganese:**
- **Chloride:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

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<tr>
<th>Lithologic Description</th>
<th>Depth</th>
<th>Elevation</th>
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<th>Gamma Log: No</th>
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<tbody>
<tr>
<td>Aquifer Test: No</td>
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</tbody>
</table>

**AEP Data:** Yes  
**Well Field Verified:** No
**General:**

- Type of Work: **Chemistry**
- Drilling Method: **Not Applicable**
- Well Use: **Domestic**
- Completed Depth: 61.0 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**

- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**

- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**

- Material:
- OD (mm): from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- Model: Intake (m):

**Testing:**

- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**

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<td>Silicon</td>
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<td>Lead</td>
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</table>

**Remarks:**

- Chemical Constituents are in mg/l (ppm), except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27

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**Depth Elevation (BGL) (AMSL)**

<p>| | | |</p>
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<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
<td>Lithologic Description</td>
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(No Lithologic Information Available)
**SE 15-053-27 W4M**

**Well Owner:** Eidick, Lorne  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 666  
**AEP:** 156784  
**Easting:** 73,418.18  
**Northing:** 5,933,981.50

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<td>Drilling Method: Not Applicable</td>
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<td>Well Use: Domestic</td>
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<td>Completed Depth: <strong>35.0</strong> (m)</td>
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<td>Bottom (m):</td>
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<td>OD (mm):</td>
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<tr>
<td>Thickness (mm):</td>
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<td>Seal Type:</td>
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<td>from (m):</td>
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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<th>Electric Log: No</th>
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<td>AEP Data: Yes</td>
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**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

Printed on: 2/20/98
### General:
- **Type of Work:** Coal Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Other
- **Completed Depth:** 262.1 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:** Intake (m):
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
  - **Cond. (µS/cm):** SAR Nickel
  - **TDS:** TKN Selenium
  - **Sodium:** Nitrate Strontium
  - **Potassium:** Nitrite Molybdenum
  - **Calcium:** TN Vanadium
  - **Magnesium:** TC Zinc
  - **Carbonate:** DIC Hydroxide
  - **Bicarbonate:** Arsenic Total Hardness
  - **Aluminum:** Barium Manganese
  - **Sulphate:** Beryllium Phosphate
  - **Chloride:** Cadmium Ion Balance
  - **Fluoride:** Chromium Amm. Nitrogen
  - **Iron:** Cobalt Total Phosphate
  - **TOC:** Copper Total Alkalinity
  - **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27
**09-16-053-27 W4M**

**Well Owner:** Lienau, Art & Sons  
**Drilling Contractor:** D&D Water Well Drilling & Services

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>(m)</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic &amp; Stock</td>
<td>(m)</td>
</tr>
<tr>
<td>completed depth 40.8 (m)</td>
<td></td>
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<tr>
<td><strong>NPWL (m):</strong> .0 Verified NPWL (m):</td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td></td>
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<table>
<thead>
<tr>
<th>Casing:</th>
<th>Liner:</th>
</tr>
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<tbody>
<tr>
<td><strong>Type:</strong> Plastic</td>
<td><strong>Type:</strong> St</td>
</tr>
<tr>
<td><strong>Depth (m):</strong> 37.2 Bottom (m): 37.2</td>
<td><strong>OD (mm):</strong> 1.5</td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 152.4</td>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<tr>
<td><strong>Seal Type:</strong> Bentonite Chips/Tabl</td>
<td><strong>from (m):</strong> 21.3 to 30.5</td>
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<table>
<thead>
<tr>
<th>Screen:</th>
<th>Pump:</th>
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<tbody>
<tr>
<td><strong>Material:</strong> St</td>
<td><strong>Model:</strong></td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 1.5</td>
<td><strong>Intake (m):</strong> 38.7</td>
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<tr>
<td><strong>from (m):</strong> 37.2 to 38.7</td>
<td><strong>Time (minute):</strong> 120.0</td>
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<tr>
<td><strong>Size:</strong> 0.01</td>
<td><strong>Rec'd intake (m):</strong></td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
<th>Testing:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>from (m):</strong></td>
<td><strong>Rate (lpm):</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td><strong>Level End (m):</strong></td>
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<tr>
<td><strong>Rec'd Rate (lpm):</strong></td>
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<tr>
<td><strong>Drawdown (m):</strong> 2.1</td>
<td><strong>Rec'd Rate (lpm):</strong> 22.8</td>
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<thead>
<tr>
<th>Laboratory:</th>
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<tr>
<td><strong>pH (pH unit):</strong></td>
<td><strong>Transmissivity:</strong></td>
</tr>
<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td><strong>m³/day</strong></td>
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<tr>
<td><strong>SAR:</strong></td>
<td><strong>Gamma Log:</strong> No</td>
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<tr>
<td><strong>TDS:</strong></td>
<td><strong>Storativity:</strong></td>
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<tr>
<td><strong>TKN:</strong></td>
<td><strong>Aquifer Test:</strong> No</td>
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<td><strong>Nitrogen:</strong></td>
<td><strong>Project:</strong> Database: 1.000H</td>
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<tr>
<td><strong>Barium:</strong></td>
<td><strong>TOC:</strong></td>
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<tr>
<td><strong>Beryllium:</strong></td>
<td><strong>Lead:</strong></td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
<td><strong>Nitrate:</strong></td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
<td><strong>Manganese:</strong></td>
</tr>
<tr>
<td><strong>Carbide:</strong></td>
<td><strong>Nerite N</strong></td>
</tr>
<tr>
<td><strong>Chloride:</strong></td>
<td><strong>Pump:</strong></td>
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<tr>
<td><strong>Chromium:</strong></td>
<td><strong>Intake (m):</strong></td>
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<td><strong>DIC:</strong></td>
<td><strong>Model:</strong></td>
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<tr>
<td><strong>Fluoride:</strong></td>
<td><strong>Time (minute):</strong></td>
</tr>
<tr>
<td><strong>Gamma:</strong></td>
<td><strong>COd:</strong></td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
<td><strong>Transmissivity:</strong></td>
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<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
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<td><strong>Magnesium:</strong></td>
<td><strong>Gamma Log:</strong> No</td>
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<tr>
<td><strong>Nitrite:</strong></td>
<td><strong>Lead:</strong></td>
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<td><strong>pH:</strong></td>
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<td><strong>Calcium:</strong></td>
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<tr>
<td><strong>TC:</strong></td>
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<tr>
<td><strong>TOC:</strong></td>
<td><strong>Vanadium:</strong></td>
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<td><strong>Total Hardness:</strong></td>
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<tr>
<td><strong>Total Alkalinity:</strong></td>
<td><strong>Lead:</strong></td>
</tr>
<tr>
<td><strong>Total Phosphate:</strong></td>
<td><strong>Nitrate:</strong></td>
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<tr>
<td><strong>Transmissivity:</strong></td>
<td><strong>Manganese:</strong></td>
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<td><strong>Nitrate:</strong></td>
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<tr>
<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
<td><strong>Manganese:</strong></td>
</tr>
</tbody>
</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m) NPWL (m):
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to **24.4**

### Casing:
- **Type:** Plastic
- **Depth (m):** 33.8 Bottom (m): 33.8
- **OD (mm):** 152.4 Thickness (mm): 0.1
- **Seal Type:** Bentonite Chips/Tabl

### Liner:
- **Type:** Plastic
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** to **35.4** Size: 0.01
- **Open Hole:**
  - **from (m):** to **Size:**

### Pump:
- **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation
- **(BGL) (AMSL):**
  - **(m)** **(m)** **Lithologic Description**
  - 25.9 639.1 Clay Blue
  - 35.7 629.3 Sand
  - 36.6 628.4 Clay Blue

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98

**Well Number:** 01669
**Well Owner:** Goebel, Gary
**Drilling Contractor:** D&D Water Well Drilling & Services
**Elevation (AMSL) (m):** 665
**AEP:** 231094
**Licence No.:**
**Date Started:** 21 Oct 93
**Date Completed:** 22 Oct 93
**Easting:** 72,038.23
**Northing:** 5,934,379.00

**AEP Data:** Yes Well Field Verified: No
**Database:** 1.000H
**Project:**
**Aqurifer Test:** No
**Gamma Log:** No Storativity:
**Electric Log:** No Transmissivity: m²/day
**Chromium:**
**Cobalt:**
**Copper:**
**Lead:**
**Crop:**
**Iron:**
**Nickel:**
**Testing:**
**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number 01670**

**Elevation (AMSL) (m):** 665  **AEP: 166483**
**Licence No.:**  **Easting: 72,038.23**  **Date Started:** 25 May 92  **Northing: 5,934,979.00**  **Date Completed:** 28 May 92

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completion:
- **Completed Depth:** 116.4 (m)
- **NPWL (m):** 2.7  **Verified NPWL (m):**

### Abandonment:
- **Type:** Plastic
- **Depth (m):** 50.0  **Bottom (m):** 50.0
- **OD (mm):** 152.4  **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite

### Liner:
- **Type:**
- **OD (mm):** 114.3  **Thickness (mm):** 0.1
- **Top (m):** 48.8  **Bottom (m):** 116.4

### Perforation:
- **Perforated How:** Other
- **from (m):** 70.1  **to 116.4**

### Screen:
- **Material:**
- **OD (mm):**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Rate (lpm):** 13.7  **Time (minute):** 600.0
- **Level End (m):** 85.3  **Drawdown (m):** 82.6
- **Rec'd intake (m):**

### Laboratory:

<table>
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<tr>
<th>Constituent</th>
<th>Value</th>
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<tr>
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<td>COD</td>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>KTN</td>
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<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Aluminum</td>
<td>Barium</td>
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<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
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<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### NE 16-053-27 W4M

**Well Number:** 01671  
**Well Owner:** Lienau, James  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 665  
**AEP:** 161715  
**Licence No.:**  
**Date Started:**  
**Easting:** 72,038.23  
**Northing:** 5,934,979.00  
**Date Completed:**

#### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth (m):** 54.9  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

#### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

#### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** Size:  
- **from (m):** Size:  

#### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

#### Open Hole:
- **from (m):** to  

#### Pump:
- **Model:**  
- **Intake (m):**

#### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

#### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

#### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

<table>
<thead>
<tr>
<th>Electric Log</th>
<th>Transmissivity</th>
<th>Gamma Log</th>
<th>Storativity</th>
<th>Aquifer Test</th>
<th>Database</th>
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<th>Well Field Verified</th>
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<tbody>
<tr>
<td>No</td>
<td>m²/day</td>
<td>No</td>
<td>Storativity</td>
<td>No</td>
<td>Database</td>
<td>Yes</td>
<td>No</td>
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*Printed on 2/20/98*
### General:
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 68.6 m
- NPWL (m): 9.1
- Abandonment:  

### Casing:
- Type: **Plastic**
- Depth (m): 52.4
- Bottom (m): 52.4
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: **Formation Seal**
- from (m): to 52.4

### Liner:
- Type:  
- OD (mm): 127.0
- Thickness (mm): 0.1
- Top (m): 50.9
- Bottom (m): 67.7
- Perforated How: **Saw**
- from (m): to 67.7
- Size:  
- from (m): to Size:  
- from (m): to Size:  

### Screen:
- Material:  
- OD (mm):  
- from (m): to Size:  
- from (m): to Size:  

### Open Hole:
- from (m): to  

### Pump:
- Model: **McDonald**
- Intake (m): 24.4

### Testing:
- Rate (lpm): 63.9
- Time (minute): 120.0
- Level End (m): 19.8
- Drawdown (m): 10.7
- Rec'd intake (m): 24.4
- Rec'd Rate (lpm): 63.9

### Laboratory:
- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **Phosphate**
- **Cadmium**
- **Copper**
- **Lead**
- **Nitrite & Nitrate**
- **Chromium**
- **Amm. Nitrogen**
- **Arsenic**
- **Total Hardness**
- **Manganese**
- **Selenium**
- **Vanadium**
- **Molybdenum**
- **Zinc**
- **Hydroxide**
- **Hydrogen**
- **bicarbonate**
- **Calcium**
- **Magnesium**
- **Sodium**
- **Chloride**
- **Sulphate**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**

### Electric Log:
- **Transmissivity:**  
- **Gamma Log:**  
- **Storativity:**
- **Battery Test:**
- **Project:**  
- **Database:** 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
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<thead>
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<th>General:</th>
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<tbody>
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<td>Type of Work: Flowing Shot Hole</td>
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<tr>
<td>Drilling Method: Unknown</td>
</tr>
<tr>
<td>Well Use: Industrial</td>
</tr>
<tr>
<td>Completed Depth: 18.0 (m)</td>
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<tr>
<td>NPWL (m): Verified NPWL (m):</td>
</tr>
<tr>
<td>Abandonment: Bassani Plug 17 Jun 91</td>
</tr>
<tr>
<td>Casing:</td>
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<tr>
<td>Type:</td>
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<tr>
<td>Depth (m): Bottom (m):</td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
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</tr>
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<td>from (m): to Size:</td>
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<tr>
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<td>Open Hole:</td>
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<td>from (m): to</td>
</tr>
<tr>
<td>Pump:</td>
</tr>
<tr>
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<tr>
<td>Intake (m):</td>
</tr>
<tr>
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<tr>
<td>Rate (lpm): Time (minute):</td>
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<tr>
<td>Drawdown (m): Level End (m):</td>
</tr>
<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

| Laboratory:                                                          |
| pH (pH unit): COD Nickel                                              |
| Cond. (µS/cm): SAR Nickel                                             |
| TDS: TKN Nitrate Selenium                                            |
| Sodium: Nitrate Strontium                                            |
| Potassium: Nitrite Molybdenum                                        |
| Calcium: TN Vanadium                                                |
| Magnesium: TC Zinc                                                  |
| Carbonate: DIC Hydroxide                                            |
| Bicarbonate: Arsenic Total Hardness                                  |
| Aluminium: Barium Manganese                                        |
| Sulphate: Beryllium Phosphate                                        |
| Chloride: Cadmium Ion Balance                                       |
| Fluoride: Chromium Amm. Nitrogen                                    |
| Iron: Cobalt Total Phosphate                                        |
| TOC: Copper Total Alkalinity                                         |
| Silica: Lead NitrateNitrite N                                      |

| Electric Log: No Transmissivity: m³/day |
| Gamma Log: No Storativity:              |
| Aquifer Test: No                        |
| Project: Database: 1.000H                |
| AEP Data: Yes Well Field Verified: No   |

Remarks: Water Well Positioned by Mow-Tech in 10TM NAD 27
General:
Type of Work: Flowing Shot Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth: 18.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Bassani Plug 17 Jun 91
Casing:
Type: Depth (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to
Liner:
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole: from (m): to
Pump:
Model: Intake (m):
Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Database: 1.000H
Well Field Verified: No

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Flowing Shot Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Industrial  
- **Completed Depth:** 18.0 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:** Bassani Plug  
- **Date Completed:** 17 Jun 91

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** KTN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### Remarks:
- **Water Well Positioned by Mow-Tech in 10TM NAD 27**

---

**Printed on:** 2/20/98
**16-17-053-27 W4M**

**Well Owner:** Morrison Petro.Ltd. Sp#422

**Drilling Contractor:** Unknown Driller

**Well Number:** 01676

**Elevation (AMSL) (m):** 672

**AEP:** 162348

**Licence No.:** Easting: 70,367.95

**Date Started:** Northing: 5,935,057.60

**Date Completed:** 17 Jun 91

**Flowing Shot Hole**

**Unknown Driller**

**Lithologic Description**

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<tr>
<th>Well Use</th>
<th>Date Started</th>
<th>Drilling Contractor</th>
</tr>
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<tbody>
<tr>
<td>Industrial</td>
<td>17 Jun 91</td>
<td>Bassani Plug</td>
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**Type of Work:**

- **Well Use:** Industrial
- **Drilling Method:** Unknown
- **Completed Depth:** 18.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Bassani Plug 17 Jun 91

**Type:**

- Depth (m):
- OD (mm):
- Seal Type:
- from (m):
- to

**Type:**

- OD (mm):
- Thickness (mm):
- Top (m):
- from (m):
- to

**Perforated How:**

- from (m):
- to

**Size:**

- from (m):
- to

**Size:**

- from (m):
- to

- from (m):
- to

**Screen:**

- **Material:**
- **OD (mm):**
- from (m):
- to
- **Size:**

**Open Hole:**

- from (m):

**Pump:**

- Model:
- Intake (m):

**Rate (lpm):**

- **Time (minute):**

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

**Laboratory:**

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<tr>
<th>pH (pH unit)</th>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Strontium</td>
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<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
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<td>Phosphate</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** Flowing Shot Hole
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **Abandonment:** Bassani Plug 17 Jun 91

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Sorativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Yes** Well Field Verified: **No**

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
**NW 17-053-27 W4M**

**Well Owner:** Sage, Jeanette  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
<td>(m) (m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td></td>
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<tr>
<td>Well Use: Domestic &amp; Stock</td>
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<tr>
<td>Completed Depth: 48.8 (m)</td>
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<tr>
<td>NPWL (m): .6</td>
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<tr>
<td>Abandonment:</td>
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<tr>
<td>Casing:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type: Plastic</td>
<td>5.2 676.8 Clay Sandy Yellow</td>
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<tr>
<td>Depth (m): 43.6 Bottom (m): 43.6</td>
<td>22.3 659.7 Clay Sandy Blue</td>
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</tr>
<tr>
<td>OD (mm): 152.4 Thickness (mm): 0.1</td>
<td>23.8 658.2 Sand &amp; Gravel</td>
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<tr>
<td>Seal Type: Bentonite Chips/Tabl</td>
<td>25.9 656.0 Clay Blue</td>
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<tr>
<td>from (m): to 24.4</td>
<td>46.3 635.6 Sand</td>
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<tr>
<td>Liner:</td>
<td>48.8 633.2 Clay Blue</td>
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<tr>
<td>Type: PI</td>
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<tr>
<td>OD (mm): 1.5</td>
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<tr>
<td>from (m): 43.6 to 45.1 Size: 0.01</td>
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<td></td>
</tr>
<tr>
<td>from (m): to</td>
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<tr>
<td>Screen:</td>
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<tr>
<td>Material: PI</td>
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<td>from (m): 43.6 to 45.1 Size: 0.01</td>
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<td>from (m): to</td>
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<td>Open Hole:</td>
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<tr>
<td>from (m): to</td>
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</tr>
<tr>
<td>Pump:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: Intake (m):</td>
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<tr>
<td>Testing:</td>
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<td></td>
</tr>
<tr>
<td>Rate (lpm): 91.2</td>
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<tr>
<td>Time (minute): 120.0</td>
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<td>Level End (m): 30.5 Drawdown (m): 29.9</td>
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<tr>
<td>Rec'd intake (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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<th>Laboratory:</th>
<th>Electric Log: No Transmissivity: m²/day</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD Mercury</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR Nickel</td>
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<td>TKN Selenium</td>
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<td>Nitrate Strontium</td>
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<td>Potassium</td>
<td>Nitrite Molybdenum</td>
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<td>DIC Hydroxide</td>
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<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
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<td>Sulphate</td>
<td>Beryllium Phosphate</td>
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<td>Cadmium Iron Balance</td>
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<td>Fluoride</td>
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<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
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<th>General:</th>
<th>DEPTH</th>
<th>Elevation (BGL) (AMSL)</th>
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<td>Drilling Contractor: Rodco Drilling</td>
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<td>Well Use: Domestic</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>Completed Depth: 29.9 (m)</td>
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<td>NPWL (m):</td>
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<td>Abandonment:</td>
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<td>Casing:</td>
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<td>Type: Plastic</td>
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<td>Depth (m): 28.4  Bottom (m): 28.4</td>
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<td>from (m): to 24.4</td>
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<td>Type:</td>
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<td>OD (mm): Thickness (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
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<tr>
<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<tr>
<td>from (m): to Size:</td>
<td></td>
<td></td>
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<tr>
<td>Screen:</td>
<td></td>
<td></td>
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<tr>
<td>Material: St</td>
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<td>from (m): to</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<td>Laboratory Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<td>Remarks:</td>
<td></td>
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</tr>
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</table>

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 22.9 (m)
- **NPWL (m):** 0
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 18.9
- **Bottom (m):** 18.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Table
- **from (m):** 9.1  to  16.8

**Liner:**
- **Type:** St
- **OD (mm):** 1.5
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 18.9
- **to:** 20.4
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 20.4

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 16.1
- **Drawdown (m):** 16.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

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<th>Value</th>
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<td>Electric Log</td>
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<td>Aquifer Test</td>
<td></td>
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<td>TOC</td>
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<td>Silica</td>
<td></td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 132.9 (m) 
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Intake (m):

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:

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<tr>
<td>Bicarbonate</td>
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<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite</td>
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<td>Molybdenum</td>
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<td>Total Hardness</td>
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<td>Total Alkalinity</td>
<td></td>
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<tr>
<td>Lead</td>
<td></td>
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<tr>
<td>Nitrate &amp; Nitrite</td>
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</table>

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: **1.000H**
- **AEP Data:** Yes Well Field Verified: No

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Printed on:** 2/20/98
**Well Number**: 01682

**Well Owner**: Tessier, Marcel

**Drilling Contractor**: D&D Water Well Drilling & Services

---

### General

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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</tbody>
</table>

**Completed Depth**: 51.8 m

**NPWL (m)**: 6.1

**Verified NPWL (m)**: 

**Abandonment**: 

### Casing

**Type**: Plastic

**Depth (m)**: 28.7

**Bottom (m)**: 28.7

**OD (mm)**: 152.4

**Thickness (mm)**: 0.1

**Seal Type**: Shale Trap

**from (m)**: 28.7

### Liner

**Type**: Shale Trap

**OD (mm)**: 114.3

**Thickness (mm)**: 0.1

**Top (m)**: 27.4

**Bottom (m)**: 51.8

**Perforated How**: Other

**from (m)**: 32.0 to 48.8

**Size**: 

**from (m)**: to 

**Size**: 

### Screen

**Material**: 

**OD (mm)**: 

**from (m)**: 

**to** 

**Size**: 

**from (m)**: 

**to** 

**Size**: 

### Open Hole

**from (m)**: to 

### Pump

**Model**: 

**Intake (m)**: 

### Testing

**Rate (lpm)**: 27.4

**Time (minute)**: 120.0

**Level End (m)**: 36.6

**Drawdown (m)**: 30.5

**Rec'd Rate (lpm)**: 

**Rec'd intake (m)**: 

### Laboratory

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Value</th>
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<td>pH (pH unit)</td>
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<tr>
<td>Silicon</td>
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<tr>
<td>Lead</td>
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</tbody>
</table>

### Electric Log

**Transmissivity**: m³/day

**Gamma Log**: No

**Aquifer Test**: No

**Project**: Database: 1.000H

**AEP Data**: Yes

**Well Field Verified**: No

**Remarks**: Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
NW 18-053-27 W4M

Well Owner: Hartum, Lorne

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 01683

Elevation (AMSL) (m): 691

AEP: 162190

Licence No.: Easting: 67,512.10

Date Started: Dec 04 91 Northing: 5,934,746.00

Date Completed: Dec 04 91

Depth Elevation (BGL) (AMSL)

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<th>(m)</th>
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<td>6.1</td>
<td>685.4</td>
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<tr>
<td>16.8</td>
<td>674.7</td>
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<tr>
<td>18.3</td>
<td>673.2</td>
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<td>23.2</td>
<td>668.3</td>
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<tr>
<td>34.1</td>
<td>657.3</td>
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</table>

Lithologic Description

- Clay Yellow
- Clay Blue
- Sand
- Clay Blue
- Sand & Coal

General:

Type of Work: New Well

Drilling Method: Rotary

Well Use: Domestic & Stock

Completed Depth: 34.1 (m)

NPWL (m): 12.2

Verified NPWL (m):

Abandonment:

Casing:

Type: Plastic

Depth (m): 30.8

Bottom (m): 30.8

OD (mm): 141.2

Thickness (mm): 0.1

Seal Type: from (m) to

Liner:

Type: from (m) to

Thickness (mm): from (m) to

Top (m): Bottom (m)

Perforated How:

from (m) to Size:

from (m) to Size:

from (m) to Size:

Screen:

Material: St

OD (mm): 1.2

from (m): 30.8

to 32.3

Size: 0.01

from (m): to

Open Hole:

from (m): to

Pump:

Model: Intake (m):

Testing:

Rate (lpm): 68.4

Time (minute): 420.0

Level End (m): 13.7

Drawdown (m): 1.5

Rec'd intake (m): Rec'd Rate (lpm): 68.4

Laboratory:

pH (pH unit) COD Mercury

Cond. (µS/cm) SAR Nickel

TDS TKN Selenium

Sodium Nitrate Strontium

Potassium Nitrite Molybdenum

Calcium TN Vanadium

Magnesium TC Zinc

Carbonate DIC Hydroxide

Bicarbonate Arsenic Total Hardness

Aluminum Barium Manganese

Sulfate Beryllium Phosphate

Chloride Cadmium Ion Balance

Fluoride Chromium Amm. Nitrogen

Iron Cobalt Total Phosphate

TOC Copper Total Alkalinity

Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m³/day

Gamma Log: No Storativity:

Aquifer Test: No Project: Database: 1.000H

AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**NW 18-053-27 W4M**

**Well Number:** 01684

**Well Owner:** Hartum, Lorne

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 691  
**AEP:** 155206

**Licence No.:** Easting: 67,512.10  
**Date Started:** 15 Apr 76  
**Northing:** 5,834,749.50  
**Date Completed:** 20 Apr 76

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<td>Well Use: Domestic &amp; Stock</td>
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<td>Completed Depth: 35.0 (m)</td>
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<td>Casing:</td>
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<td>Bottom (m): 29.9</td>
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<td>from (m): to 32.6</td>
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<td>Intake (m):</td>
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<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
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<td>Bottom (m):</td>
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<tr>
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</tr>
<tr>
<td>from (m): to</td>
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<tr>
<td>Size:</td>
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<td>from (m): to</td>
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<td>to 31.1</td>
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<td>from (m): to</td>
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<td>Size:</td>
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<tbody>
<tr>
<td>from (m): to</td>
<td>pH (pH unit) COD</td>
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<tr>
<td></td>
<td>SAR Mercury</td>
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<tr>
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<td>Cond. (µS/cm) TDS Selenium</td>
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<tr>
<td></td>
<td>Sodium Strontium</td>
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<tr>
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<td>Potassium Molybdenum</td>
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<td>Bicarbonate Arsenic Total Hardness</td>
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<td>Sulphate Beryllium Phosphate</td>
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<td>Chloride Ion Balance</td>
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<td>Fluoride Chromium Amm. Nitrogen</td>
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<td>TOC Copper Total Alkalinity</td>
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<td>Silica Lead Nitrate&amp;Nitrite N</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<th>Remarks:</th>
<th>Electric Log: No Transmissivity: m²/day</th>
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<tbody>
<tr>
<td></td>
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<td>Aquifer Test: No</td>
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<tr>
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<td>AEP Data: Yes Well Field Verified: No</td>
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*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 18-053-27 W4M**

**Well Owner:** Hartum, Lorne

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 692

**AEP:** 155205

**Licence No.:** Easting: 67,504.59

**Date Started:** 19 Aug 88

**Northing:** 5,934,757.00

**Date Completed:** 22 Aug 88

---

**General:**
Type of Work: New Well
Drilling Method: Rotary
Well Use: Unknown
Completed Depth: 74.4 (m)
NPWL (m): 7.6

**Abandonment:**

**Casing:**
Type: Steel
Depth (m): 32.6
Bottom (m): 32.6
OD (mm): 141.2
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 32.6

**Liner:**
Type: Steel
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 32.6
Bottom (m): 73.5

**Perforated How:** Machine
from (m): 32.6
to 73.5
Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material: Steel
OD (mm): from (m): to Size:
from (m): to Size:

**Open Hole:**
from (m): to

**Pump:**
Model: Intake (m):

**Testing:**
Rate (lpm): 22.8
Time (minute): 420.0
Level End (m): 45.7
Drawdown (m): 38.1
Rec'd intake (m):
Rec'd Rate (lpm):

---

**Laboratory:**

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<th>COD (mg/l)</th>
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<td>Chloride (mg/l)</td>
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<td>Chromium (mg/l)</td>
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<tr>
<td>Silica (mg/l)</td>
<td>Lead (mg/l)</td>
<td>Nitrate Nitrite (ppm)</td>
</tr>
</tbody>
</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

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**Water Well Positioned by PFRA in 10TM NAD 27**

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**Printed on 2/20/98**
**SE 18-053-27 W4M**

Well Owner: **Alexander, Fred**
Drilling Contractor: **Summers, David Drilling**

**Well Number 01686**

- **Elevation (AMSL) (m):** 682
- **AEP:** 238069
- **Licence No.:** Easting: 68,554.05
- **Date Started:** 14 Jul 93
- **Northing:** 5,934,009.00
- **Date Completed:** 14 Jul 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.3 (m)
- **NPWL (m):** .6
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 50.3
- **Bottom (m):** 50.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 24.4 to 27.4

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 48.8 to 50.3
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 843.8
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 29.9
- **Rec'd intake (m):** 9.1
- **Rec'd Rate (lpm):** 91.2

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphorus:**
- **Cadmium:**
- **Ion Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 33.2 m
- NPWL (m): 2.1
- Abandonment:
- Type: Plastic
- Depth (m): 29.9
- Bottom (m): 29.9
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Cuttings
- Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
- Screen:
  - Material: St
  - OD (mm): 0.9
  - from (m): 29.9
  - to: 31.1
  - Size: 0.01
- Open Hole:
  - from (m): to
- Pump:
  - Model:
  - Intake (m): 21.3
  - Testing:
    - Rate (lpm): 68.4
    - Time (minute): 120.0
    - Level End (m): 21.3
    - Drawdown (m): 19.2
    - Rec’d intake (m): 45.6

**Laboratory:**

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<td>Chemical Constituents in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 49.1
- **Bottom (m):** 49.1
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 49.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 49.1 to 50.6
- **Size:** 0.01
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 420.0
- **Level End (m):** 3.7
- **Drawdown (m):** 0.6
- **Rec'd intake (m):** 3.7
- **Rec'd Rate (lpm):** 91.2

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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</thead>
</table>

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Aquifer Test:**
- **TOC:**
- **Silica:**

### Project:
- **Database:** 1.000H
- **AEP Data:** Yes

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number: 01688**

- **Well Owner:** Ehrenholz, Edwin
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.
- **Licence No.:**
- **Elevation (AMSL) (m):** 694
- **AEP:** 180319
- **Easting:** 66,016.12
- **Date Started:** 25 Oct 93
- **Northing:** 5,936,505.00
- **Date Completed:** 25 Oct 93

**Lithologic Description**

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## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 (m)
- **NPWL (m):** 4.6
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 33.8
- **Bottom (m):** 33.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

## Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 33.8 to 35.0
- **Size:** 0.01

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 21.3
- **Drawdown (m):** 16.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Molybdenum
- **TC:** Zinc
- **DIC:** Hydroxide
- **ArSENIC:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Copper:** Total Phosphate
- **Lead:** Total Alkalinity
- **Nitrate & Nitrite N:** Chemical Constituents are in mg/l (ppm). Except as noted.

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **AEP Data:** Yes

## Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 01690  
**Well Owner:** Shillington, Cliff  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 698  
**AEP:** 156785  
**Licence No.:** Easting: 67,706.17  
**Date Started:** Northing: 5,936,423.50  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth (m):** 38.1  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- **Liner:**  
  - **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:

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### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project:** Database: 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 32.0 m
- **NPWL (m):** 1.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 27.4
- **Bottom (m):** 27.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 27.4

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 27.4
- **to 29.0
- **Size:** 0.01
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 7.0
- **Drawdown (m):** 5.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Magnesium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 01691

**Well Owner:** Vandrasco, Jim

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 695

**AEP:** 186130

**Licence No.:** 186130

**Date Started:** 02 Sep 92

**Easting:** 67,812.01

**Northing:** 5,936,391.50

**Date Completed:** 02 Sep 92

**Depth (BGL) (AMSL):**

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**Well Use:**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Testing:**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 7.0
- **Drawdown (m):** 5.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

Storativity:

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
SE 19-053-27 W4M

Well Owner: Benner, Roy
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Well Number: 01692
Elevation (AMSL) (m): 686
AEP: 186136
Licence No.: Easting: 68,577.60
Date Started: 10 Oct 91
Northing: 5,935,643.50
Date Completed: 10 Oct 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 30.5 (m)
NPWL (m): 4.7 Verified NPWL (m): Abandonment:

Casing:
Type: Plastic
Depth (m): Bottom (m): 27.4 27.4
OD (mm): 127.0 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Table
from (m): to 21.3

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m): Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.1
from (m): 27.4 to 29.0 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 23.5

Testing:
Rate (lpm): 68.4 Time (minute): 420.0
Level End (m): 21.3 Drawdown (m): 16.5
Rec'd intake (m): Rec'd Rate (lpm): 31.9

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Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**SE 19-053-27 W4M**

**Well Owner:** Billum, Barry

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 686  **AEP:** 159127  **License No.:** Easting: 68,590.41  **Date Started:** 06 Aug 91  **Northing:** 5,935,865.00  **Date Completed:** 07 Aug 91

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<td>3.7 682.0</td>
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<td>31.2 662.5</td>
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<td>31.4 654.3</td>
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**SE 19-053-27 W4M**

**Well Number:** 01694

**Well Owner:** Chartrand, Richard

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

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<td>Nitrate</td>
</tr>
<tr>
<td>Potassium:</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium:</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Magnesium:</td>
<td>Molybdenum</td>
</tr>
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<td>Carbonate:</td>
<td>Turbidity</td>
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<tr>
<td>Bicarbonate:</td>
<td>Arsenic</td>
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<tr>
<td>Aluminium:</td>
<td>Barium</td>
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<tr>
<td>Sulphate:</td>
<td>Beryllium</td>
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<tr>
<td>Chloride:</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride:</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron:</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
</tr>
<tr>
<td>Silicon:</td>
<td>Lead</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
</tr>
</tbody>
</table>

| Electric Log: | Yes |
| Transmissivity: | m²/day |
| Gamma Log: | No |
| Storativity: | |
| Aquifer Test: | No |
| Total Hardness: | |
| TOC: | Copper |
| Total Alkalinity: | |
| Silicon: | Lead |
| Nitrate & Nitrite: | |
| Chemical Constituents are in mg/l (ppm). Except as noted. | Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 19-053-27 W4M**

**Well Owner:** Faucher, R.

Drilling Contractor: Cobob Pumps And Services Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 m
- **NPWL (m):** 2.7
- **Verif NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 33.5 to 36.6

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 33.5
  - **Bottom (m):** 76.2
- **Perforated How:** Saw
  - from (m): 51.8 to 70.1
  - Size:
  - from (m): to
  - Size:

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:** Gould 5g05422
- **Intake (m):** 51.8

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):** 51.8
- **Drawdown (m):** 49.1
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Berylumin:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate+Nitrite N**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) (m):**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.7</td>
<td>682.0</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>5.2</td>
<td>680.5</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>28.4</td>
<td>657.4</td>
<td>Clay &amp; Sand Gray</td>
</tr>
<tr>
<td>31.7</td>
<td>654.0</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>32.3</td>
<td>653.4</td>
<td>Shale Green</td>
</tr>
<tr>
<td>34.8</td>
<td>651.0</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>38.1</td>
<td>647.6</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>39.9</td>
<td>645.8</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>42.1</td>
<td>643.6</td>
<td>Shale Green</td>
</tr>
<tr>
<td>43.0</td>
<td>642.7</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>44.5</td>
<td>641.2</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>46.3</td>
<td>639.4</td>
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<tr>
<td>50.9</td>
<td>634.8</td>
<td>Shale Green</td>
</tr>
<tr>
<td>53.6</td>
<td>632.1</td>
<td>Sandstone Gray</td>
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<tr>
<td>56.1</td>
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<td>56.7</td>
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<td>59.1</td>
<td>626.6</td>
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<td>60.4</td>
<td>625.4</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>68.0</td>
<td>617.7</td>
<td>Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>70.1</td>
<td>615.6</td>
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<tr>
<td>72.2</td>
<td>613.5</td>
<td>Shale Green</td>
</tr>
<tr>
<td>74.1</td>
<td>611.6</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>76.2</td>
<td>609.5</td>
<td>Shale Brown</td>
</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**SE 19-053-27 W4M**

**Well Number:** 01696

**Well Owner:** Korkie, R.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 686

**Licence No.:** 16951

**Date Started:**

**Easting:** 68,590.41

**Northing:** 5,935,865.00

**Date Completed:**

---

### General:

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>Chemistry</th>
</tr>
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<tbody>
<tr>
<td>Drilling Method</td>
<td>Unknown</td>
</tr>
<tr>
<td>Well Use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>45.7 (m)</td>
</tr>
<tr>
<td>NPWL (m)</td>
<td>Verified NPWL (m):</td>
</tr>
<tr>
<td>Abandonment</td>
<td></td>
</tr>
</tbody>
</table>

### Casing:

- **Type:**
- **Depth (m):** Bottom (m): 
- **OD (mm):** Thickness (mm): 
- **Seal Type:** 
- **from (m):** to 

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm): 
- **Top (m):** Bottom (m): 
- **Perforated How:** 
- **from (m):** to Size: 
- **from (m):** to Size: 
- **from (m):** to Size: 

### Screen:

- **Material:**
- **OD (mm):** 
- **from (m):** to Size: 
- **from (m):** to Size: 

### Open Hole:

- **from (m):** to 

### Pump:

- **Model:**  
- **Intake (m):** 

### Testing:

- **Rate (lpm):**  
- **Time (minute):** 
- **Level End (m):** Drawdown (m): 
- **Rec’d intake (m):** Rec’d Rate (lpm): 

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**AEP Data:** Yes  
**Database:** 1.000H  
**Well Field Verified:** No
Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 47.2
- **Bottom (m):** 47.2
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 45.7
- **to:**

**Liner:**
- **Type:** Driven
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):**
- **Bottom (m):** 79.2
- **Perforated How:** Machine
- **from (m):** 67.1 to 79.2
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:** Sub
- **Model:** Gould
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 180.0
- **Level End (m):** 61.0
- **Drawdown (m):** 57.9
- **Rec'd intake (m):** 65.2
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td>684.5</td>
<td>Sand</td>
</tr>
<tr>
<td>29.6</td>
<td>656.1</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>39.9</td>
<td>645.8</td>
<td>Coal Sandy</td>
</tr>
<tr>
<td>41.2</td>
<td>644.6</td>
<td>Coal</td>
</tr>
<tr>
<td>44.8</td>
<td>640.9</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>50.3</td>
<td>635.4</td>
<td>Shale</td>
</tr>
<tr>
<td>61.3</td>
<td>624.4</td>
<td>Sandstone</td>
</tr>
<tr>
<td>64.0</td>
<td>621.7</td>
<td>Sandstone Bentonitic</td>
</tr>
<tr>
<td>67.7</td>
<td>618.0</td>
<td>Shale Gray</td>
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<td>71.9</td>
<td>613.8</td>
<td>Sandstone</td>
</tr>
<tr>
<td>73.2</td>
<td>612.6</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>74.1</td>
<td>611.6</td>
<td>Shale</td>
</tr>
<tr>
<td>76.2</td>
<td>609.5</td>
<td>Sandstone Gray</td>
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<td>76.8</td>
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<td>Shale Gray</td>
</tr>
<tr>
<td>79.2</td>
<td>606.5</td>
<td>Shale Brown</td>
</tr>
</tbody>
</table>

**Electric Log:** No  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No

**printed on 2/20/98**
**SH 19-053-27 W4M**

**Well Number: 01699**

**Well Owner:** Adams, Kieth  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 699  |  **AEP:** 198246  
**Licence No.:** 667451.66  |  **Date Started:** 14 Dec 92  
**Date Completed:** 15 Dec 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 50.3 (m)  
- **NPWL (m):** 15.2  
- **Abandonment:**

#### Casing:
- **Type:** Plastic  
- **Depth (m):** 43.0  
- **Bottom (m):** 43.0  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** 43.0  

#### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**

#### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 43.0 to 44.5  
- **Size:** 0.01

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**  
- **Intake (m):**

<table>
<thead>
<tr>
<th>Testing</th>
<th>Rate (lpm): 31.9</th>
<th>Time (minute): 420.0</th>
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<tbody>
<tr>
<td>Level End (m): 24.4</td>
<td>Drawdown (m): 9.1</td>
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<tr>
<td>Rec'd intake (m): 24.4</td>
<td>Rec'd Rate (lpm): 31.9</td>
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### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>TDS</td>
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<td>Selenium</td>
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<tr>
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<td>Strontium</td>
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<td>Molybdenum</td>
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<td>Zinc</td>
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<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation (BGL) (AMSL)

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>6.7</td>
<td>692.6</td>
<td>Clay Sandy Yellow</td>
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<tr>
<td>12.2</td>
<td>687.1</td>
<td>Clay Blue</td>
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<tr>
<td>16.8</td>
<td>682.6</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>29.6</td>
<td>669.8</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>33.5</td>
<td>665.8</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>37.8</td>
<td>661.5</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>47.2</td>
<td>652.1</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>50.3</td>
<td>649.0</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**

**Aquifer Test: No**  
**Project:** Database: 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 36.6 (m)
- NPWL (m): 12.5
- Veriﬁed NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 30.5 Bottom (m): 30.5
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type:
  - from (m): to

**Liner:**
- Type:
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 0.9
  - from (m): 30.5 to 31.7 Size: 0.01
  - from (m): to Size:
- Open Hole:
  - from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): 63.9
  - Time (minute): 420.0
- Level End (m): 22.3
  - Drawdown (m): 9.8
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TC: Copper Total Alkalinity
- TOC: Lead Nitrate&Nitrite N
- SIlica: Lead Nitrate&Nitrite N

**Thin Section:**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay Yellow</td>
<td>10.4</td>
<td>680.4</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>17.7</td>
<td>673.1</td>
</tr>
<tr>
<td>Sand &amp; Coal</td>
<td>21.6</td>
<td>669.2</td>
</tr>
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<td>Clay Blue</td>
<td>23.5</td>
<td>667.3</td>
</tr>
<tr>
<td>Sand &amp; Coal</td>
<td>33.5</td>
<td>657.3</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>36.6</td>
<td>654.2</td>
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</table>

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27
**SH 19-053-27 W4M**

**Well Number:** 01701

<table>
<thead>
<tr>
<th>Well Owner: Mulak, Marshall</th>
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<tbody>
<tr>
<td>Drilling Contractor: McGinn, Gerald Drilling Ltd.</td>
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<tr>
<td>Elevation (AMSL) (m): 690</td>
</tr>
<tr>
<td>AEP: 186129</td>
</tr>
<tr>
<td>Licence No.:</td>
</tr>
<tr>
<td>Date Started: 03 Jul 92</td>
</tr>
<tr>
<td>Date Completed: 03 Jul 92</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 35.0 (m)
  - NPWL (m): 5.5
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 31.4
- **Bottom (m):** 31.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 31.4

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** to 31.4
- **Bottom (m):** 32.9
- **Size:** 0.01
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 5.5
- **Rec'd Rate (lpm):** Rec'd intake (m):

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>2.4</td>
<td>687.6</td>
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<td>3.7</td>
<td>686.4</td>
<td>Clay Blue</td>
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<tr>
<td>6.1</td>
<td>683.9</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>18.3</td>
<td>671.7</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>24.4</td>
<td>665.6</td>
<td>Clay &amp; Sand</td>
</tr>
<tr>
<td>27.4</td>
<td>662.6</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>33.5</td>
<td>656.5</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>35.0</td>
<td>655.0</td>
<td>Clay &amp; Rocks</td>
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</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No
**Well Number: 01702**

**Sw 19-053-27 W4M**

**Well Owner:** Chartrand, Richard  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

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<tr>
<th>General</th>
<th>Depth</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>Elevation (BGL) (m):</td>
<td>3.7 688.6 Sand Silty</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>Elevation (AMSL) (m):</td>
<td>5.2 687.1 Clay Silty</td>
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<tr>
<td>Well Use: Domestic</td>
<td></td>
<td>7.3 685.0 Gravel</td>
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<tr>
<td>Completed Depth 25.9 (m)</td>
<td></td>
<td>11.3 681.0 Clay Silty</td>
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<tr>
<td>NPWL (m): 4.6</td>
<td></td>
<td>17.7 674.6 Sand &amp; Coal</td>
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<tr>
<td>Abandonment:</td>
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<td>18.3 674.0 Clay</td>
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<table>
<thead>
<tr>
<th>Well Use: Domestic</th>
<th>Type: Plastic</th>
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<tbody>
<tr>
<td>Drilling Contractor: Northing:</td>
<td>Depth (m): 21.3</td>
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<tr>
<td>Licence No.: 5,935,861.50</td>
<td>Bottom (m): 21.3</td>
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<tr>
<td>Date Started: 10 Jul 92</td>
<td>OD (mm): 127.0</td>
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<tr>
<td>Drilling Contractor: Northing:</td>
<td>Thickness (mm): 0.1</td>
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<td>Date Completed: 10 Jul 92</td>
<td>Seal Type: Benseal</td>
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<td></td>
<td>from (m): to 10.7</td>
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<thead>
<tr>
<th>Well Use: Domestic</th>
<th>Liner:</th>
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<tbody>
<tr>
<td>OD (mm):</td>
<td>Type:</td>
</tr>
<tr>
<td>Top (m):</td>
<td></td>
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<tr>
<td>Perforated How:</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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</table>

<table>
<thead>
<tr>
<th>Well Use: Domestic</th>
<th>Screen:</th>
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</thead>
<tbody>
<tr>
<td>Material: St</td>
<td>OD (mm): 0.9</td>
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<tr>
<td></td>
<td>from (m): 21.3</td>
</tr>
<tr>
<td></td>
<td>to 22.9</td>
</tr>
<tr>
<td></td>
<td>Size: 0.01</td>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<table>
<thead>
<tr>
<th>Well Use: Domestic</th>
<th>Open Hole:</th>
</tr>
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<tbody>
<tr>
<td>from (m): to</td>
<td></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Well Use: Domestic</th>
<th>Pump:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model:</td>
<td>Intake (m): 18.3</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Testing: Rate (lpm): 68.4</td>
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<tr>
<td>Level End (m): 18.3</td>
<td>Time (minute): 420.0</td>
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<tr>
<td>Rec'd intake (m):</td>
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</tr>
<tr>
<td>Rec'd Rate (lpm): 27.4</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Well Use: Domestic</th>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD Mercury</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium Iron Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Well Use: Domestic</th>
<th>Water Well Positioned by PFRA in 10TM NAD 27</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Log: Yes</td>
<td>Transmissivity: m²/day</td>
</tr>
<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
<td>Project: Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 30.5 m
- **NPWL (m):** 5.2
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 23.8
- **Bottom (m):** 23.8
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tablet
- **from (m):** 14.3 to 15.2

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 23.8 to 25.3
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 24.4

### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 60.0
- **Level End (m):** 21.3
- **Drawdown (m):** 16.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Yes**
- **Transmissivity:** m²/day

### Gamma Log:
- **No**
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**SW 19-053-27 W4M**

**Well Number:** 01703

**Well Owner:** Chartrand, Richard

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 694

**AEP:** 217793

**Licence No.:**

**Easting:** 67,716.73

**Date Started:** 23 Jul 93

**Northing:** 5,935,705.50

**Date Completed:** 23 Jul 93

**Remarks:**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 37.2 (m)
- **NPWL (m):** 4.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 34.4
- **Bottom (m):** 34.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 34.4

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 34.4 to **53.7** **Size:** 0.01
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 95.8
- **Time (minute):** 420.0
- **Level End (m):** 5.5
- **Drawdown (m):** 0.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

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<thead>
<tr>
<th>Chemical Constituents</th>
<th>Value (mg/l ppm)</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<td>TDS</td>
<td>TKN</td>
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<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>7.0</td>
<td>682.7</td>
<td>Clay Yellow</td>
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<td>17.7</td>
<td>672.0</td>
<td>Clay Blue</td>
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<td>22.9</td>
<td>666.8</td>
<td>Clay &amp; Sand</td>
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<td>24.4</td>
<td>665.3</td>
<td>Sand &amp; Coal</td>
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<td>29.9</td>
<td>659.8</td>
<td>Clay Blue</td>
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<td>30.5</td>
<td>659.2</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>36.6</td>
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<td>Shale Green</td>
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<tr>
<td>37.2</td>
<td>652.5</td>
<td>Clay Blue</td>
</tr>
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</table>

**Electric Log:** No
- **Transmissivity:** m²/day

**Gamma Log:** No
- **Storativity:**

**Aquifer Test:** No
- **Project:** Database: 1.000H

**AEP Data:** Yes
- **Well Field Verified:** No
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 31.4 m
- NPWL (m): 3.7
- Verified NPWL (m): 3.7
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 31.4
- Bottom (m): 31.4
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): 18.3 to 19.8

**Liner:**
- Type: St
- OD (mm): 1.2
- from (m): 29.9 to 31.4
- Size: 0.01

**Screen:**
- Material: St
- OD (mm): 1.2
- from (m): 29.9 to 31.4
- Size: 0.01

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): 24.4

**Testing:**
- Rate (lpm): 114.0
- Time (minute): 180.0
- Level End (m): 24.4
- Drawdown (m): 20.7
- Rec'd intake (m): 18.3
- Rec'd Rate (lpm): 68.4

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silicon: Lead

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Additional Information:**
- AEP Data: Yes
- Well Field Verified: No

---

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 46.3 (m)  
  NPWL (m): 4.9  
  Verified NPWL (m):  
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 41.8  
  Bottom (m): 41.8
- **OD (mm):** 152.4  
  Thickness (mm): 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 25.9

**Liner:**
- **Type:**
  - OD (mm): Thickness (mm):  
  - Top (m): Bottom (m):  
- **Perforated How:**
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  

**Screen:**
- **Material:** St
- **OD (mm):** 1.5  
  from (m): 41.8 to 43.3  
  Size: 0.01
- **from (m):** to Size:  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
  Intake (m): 43.3

**Testing:**
- **Rate (lpm):** 91.2  
  Time (minute): 120.0
- **Level End (m):** 21.3  
  Drawdown (m): 16.5
- **Rec’d intake (m):** 21.3  
  Rec’d Rate (lpm): 68.4

**Laboratory:**
- **pH (pH unit):**  
  COD: Mercury
- **Cond. (µS/cm):**  
  SAR: Nickel
- **TDS:**  
  TKN: Selenium
- **Sodium:** Nitrate  
  Strontium
- **Potassium:** Nitrite  
  Molybdenum
- **Calcium:** TN  
  Vanadium
- **Magnesium:** TC  
  Zinc
- **Carbonate:** DIC  
  Hydroxide
- **Bicarbonate:** Arsenic  
  Total Hardness
- **Aluminum:** Barium  
  Manganese
- **Sulphate:** Beryllium  
  Phosphate
- **Chloride:** Cadmium  
  Ion Balance
- **Fluoride:** Chromium  
  Amm. Nitrogen
- **Iron:** Cobalt  
  Total Phosphate
- **TOC:** Copper  
  Total Alkalinity
- **Silica:** Lead  
  Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Elevation (AMSL) (m): 701  
AEP: 217784
- **Licence No.:**  
- **Date Started:** 12 May 93  
  Northing: 5,935.957.50
- **Date Completed:** 13 May 93
SW 19-053-27 W4M

Well Owner: Shandro, Gary
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 693
AEP: 158938
Licence No.: 158938
Date Started: 29 Jul 91
Easting: 67,827.23
Date Completed: 30 Jul 91
Northing: 5,936,122.50

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 44.2 m
- NPWL (m): 5.8
- Abandonment:
- Sealed

**Casing:**
- Type: Plastic
- Depth (m): 42.7
- Bottom (m): 42.7
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Benseal
- from (m): 41.5 to 42.4

**Liner:**
- Type: St
- OD (mm): 1.2
- from (m): 42.7 to 44.2
- Thickness (mm): 0.01
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

**Screen:**
- Material: St
- OD (mm): 42.7
- from (m): 42.7 to 44.2
- Thickness (mm): 0.01
- Size: 0.01
- Top (m):
- Bottom (m):

**Open Hole:**
- from (m):
- to

**Pump:**
- Model:
- Intake (m): 42.7

**Testing:**
- Rate (lpm): 136.8
- Time (minute): 120.0
- Level End (m): 24.4
- Drawdown (m): 262.4
- Rec'd Rate (lpm): 45.6
- Rec'd intake (m):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Selenium
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Arsenic
- Total Hardness
- Barium
- Manganese
- Beryllium
- Phosphate
- Cadmium
- Amm. Nitrogen
- Total Phosphate
- Copper
- Total Alkalinity
- Lead
- Nitrate
- Phosphate

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 106.7 (m)
- **NPWL (m):** 11.9
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 59.7
- **Bottom (m):** 59.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 57.8 to 59.7

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickmess (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 106.7
- **Perforated How:** Machine
- **from (m):** 64.0 to 70.1
- **Size:**
- **from (m):** 84.4 to 94.5
- **Size:**
- **from (m):** 100.6 to 106.7

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:** Sub

- **Model:** Gould
- **Intake (m):** 97.5

**Testing:**

- **Rate (lpm):** 6.8
- **Time (minute):** 120.0
- **Level End (m):** 97.5
- **Drawdown (m):** 85.6
- **Rec'd Intake (m):** 100.0
- **Rec'd Rate (lpm):** 4.6

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Chloride:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Iron:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Magnesium:**
- **Calcium:**
- **Vanadium:**
- **Barium:**
- **Manganese:**
- **Selenium:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Molybdenum:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **Aluminum:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number: 01708**

- **Well Owner:** Tully, Pat
- **Drilling Contractor:** Cobob Pumps And Services Ltd.
- **Elevation (AMSL) (m):** 696
- **AEP:** 158997
- **Licence No.:**
- **Date Started:** 17 Jul 91
- **Easting:** 67,551.75
- **Date Completed:** 21 Jul 91
- **Northing:** 5,936,171.00

**Depth Elevation**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>4.9</td>
<td>691.2</td>
<td>Sand Brown</td>
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<tr>
<td>11.0</td>
<td>685.1</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>11.6</td>
<td>684.5</td>
<td>Coal</td>
</tr>
<tr>
<td>20.7</td>
<td>675.4</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>35.4</td>
<td>660.8</td>
<td>Clay &amp; Coal Gray</td>
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<tr>
<td>36.3</td>
<td>659.8</td>
<td>Gravel</td>
</tr>
<tr>
<td>40.2</td>
<td>655.9</td>
<td>Sand &amp; Coal Fine Grained Gray</td>
</tr>
<tr>
<td>43.3</td>
<td>652.8</td>
<td>Gravel</td>
</tr>
<tr>
<td>45.1</td>
<td>651.0</td>
<td>Sand Coarse Grained</td>
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<tr>
<td>46.3</td>
<td>649.8</td>
<td>Coal</td>
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<tr>
<td>56.4</td>
<td>639.7</td>
<td>Sand Coarse Grained</td>
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<td>57.6</td>
<td>638.5</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>68.6</td>
<td>627.5</td>
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<td>83.5</td>
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<td>86.6</td>
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<tr>
<td>97.8</td>
<td>598.3</td>
<td>Siltstone</td>
</tr>
<tr>
<td>106.7</td>
<td>589.4</td>
<td>Shale</td>
</tr>
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</table>

**Electric Log:** No  **Transmissivity:** m²/day  **Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Project:** Database: 1.000H  **AEP Data:** Yes  Well Field Verified: No
**SE 20-053-27 W4M**

Well Owner: **Brown, Ken**
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
- **NPWL (m):** 0
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 39.6
- **Bottom (m):** 39.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 39.6

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 39.6 to 41.2
- **Size:** 0.01
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Jacuzzi
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 34.2
- **Time (minute):** 120.0
- **Level End (m):** 27.4
- **Drawdown (m):** 27.4
- **Rec’d Rate (lpm):** 30.5
- **Rec’d intake (m):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **COD:**
- **SAR:**
- **TN:**
- **Magnesium:**
- **DIC:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Molybdenum:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate N&Nitrite N:**
- **Chromium:**
- **Cadmium:**
- **Copper:**
- **Sodium:**
- **Toxicity:**
- **Chloride:**
- **Magnesium:**
- **Zinc:**
- **Calcium:**
- **Sulphate:**
- **Total Hardness:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate N&Nitrite N:**
- **Chromium:**
- **Cadmium:**
- **Copper:**
- **Sodium:**
- **Toxicity:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 21-053-27 W4M**

**Well Number: 01710**

*Well Owner: Singer, Henry*

*Drilling Contractor: Mcginn, Gerald Drilling Ltd.*

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<th>Elevation (AMSL) (m):</th>
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<td>152393</td>
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<td>Licence No.:</td>
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<td>Date Started:</td>
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<td>Date Completed:</td>
<td>26 Jan 90</td>
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<td>Easting:</td>
<td>72,024.62</td>
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<tr>
<td>Northing:</td>
<td>5,936,536.50</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 41.2 (m)
- NPWL (m): 34.4
- Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 34.4
- **Bottom (m):** 34.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** from (m):
- **to:**

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m):
- **to:** Size:
- from (m):
- **to:** Size:
- from (m):
- **to:** Size:

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 34.4
- **to:** 36.0
- **Size:** 0.01
- **from (m):**
- **to:**
- **Thickness (mm):**
- **OD (mm):**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 12.2

**Testing:**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 12.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Phosphate:**
- **Beryllium:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrates:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates & Nitrite N:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates:**
- **Lead:**
- **Nitrates & Nitrite N:**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Electric Log: No  Transmissivity: m³/day*  
*Gamma Log: No  Storativity:*  
*Aquifer Test: No  Project:*  
*AEP Data: Yes  Database: 1.000H*  
*Well Field Verified: No*
**NW 21-053-27 W4M**

**Well Number:** 01711

**Well Owner:** Shmeit, Otto

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 670

**AEP:** 161716

**Date Started:**

**Date Completed:**

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<th>Northing:</th>
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<td>70,895.68</td>
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<table>
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<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL) (m)</th>
<th>Lithologic Description</th>
<th>Water Well Positioned by PFRA in 10TM NAD 27</th>
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<tr>
<td>Type of Work: Chemistry</td>
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<td>(No Lithologic Information Available)</td>
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<tr>
<td>Drilling Method: Not Applicable</td>
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<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 45.7 (m)</td>
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<tr>
<td>Abandonment:</td>
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</table>

| Casing: |  |  | |
|---------|  |  | |
| Type: | Depth (m): | Bottom (m): | |
| OD (mm): | Thickness (mm): |  | |
| Seal Type: | from (m): | to | |

| Liner: |  |  | |
|--------|  |  | |
| Type: | OD (mm): | Thickness (mm): | |
| Top (m): | Bottom (m): |  | |
| Perforated How: | from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

| Screen: |  |  | |
|---------|  |  | |
| Material: | OD (mm): | from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

| Open Hole: |  |  | |
|------------|  |  | |
| from (m): | to |  | |

| Pump: |  |  | |
|-------|  |  | |
| Model: | Intake (m): |  | |

| Testing: |  |  | |
|----------|  |  | |
| Rate (lpm): | Time (minute): |  | |
| Level End (m): | Drawdown (m): |  | |
| Rec’d intake (m): | Rec’d Rate (lpm): |  | |

| Laboratory: |  |  | |
|-------------|  |  | |
| pH (pH unit): | COD | Mercury | |
| Cond. (µS/cm): | SAR | Nickel | |
| TDS | TKN | Selenium | |
| Sodium | Nitrate | Strontium | |
| Potassium | Nitrite | Molybdenum | |
| Calcium | TN | Vanadium | |
| Magnesium | TC | Zinc | |
| Carbonate | DIC | Hydroxide | |
| Bicarbonate | Arsenic | Total Hardness | |
| Aluminum | Barium | Manganese | |
| Sulphate | Beryllium | Phosphate | |
| Chloride | Cadmium | Ion Balance | |
| Fluoride | Chromium | Amm. Nitrogen | |
| Iron | Cobalt | Total Phosphate | |
| TOC | Copper | Total Alkalinity | |
| Silicon | Lead | Nitrate & Nitrite | |

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<tr>
<th>Electric Log:</th>
<th>Transmissivity:</th>
<th>m³/day</th>
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<td>Gamma Log:</td>
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<td>Database:</td>
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<tr>
<td>AEP Data:</td>
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<td>Well Field Verified: No</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

```
printed on 2/20/98
```
SE 21-053-27 W4M

Well Owner: Mapplebeck, Lyle Harvey
Drilling Contractor: Unknown Driller

Well Number: 01712

Elevation (AMSL) (m): 670
AEP: 156786
Easting: 71,942.46
Northing: 5,935,785.50

General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth 56.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
OD (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm):
Top (m):
Perforated How: from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminum
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
Molybdenum
Vanadium
Zinc
Hydroxide
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead

Selenium
Strontium
Sodium
Nitrate
Molybdenum
Potassium
TN
TC
DIC
Hydroxide
Carbonate
Arsenic
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate
Nitrile

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
Well Number: **01713**

**Well Owner:** Shennan, Charlene

Drilling Contractor: Unknown Driller

**Elevation (AMSL) (m):** 657

<table>
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**AEP:** 166132

**Easting:** 72,680.16

**Northing:** 5,936,636.50

---

**General:**

**Type of Work:** Chemistry

**Drilling Method:** Unknown

**Well Use:** Domestic

**Completed Depth:** 57.9 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:**

**from (m):** to

**Liner:**

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

**from (m):** to Size:

**from (m):** to Size:

**from (m):** to Size:

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to Size:

**from (m):** to Size:

**from (m):** to Size:

**Open Hole:**

**from (m):** to

**Pump:**

**Model:**

**Intake (m):**

**Testing:**

**Rate (lpm):**

**Time (minute):**

**Level End (m):**

**Drawdown (m):**

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

---

**Laboratory:**

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
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<th>Cond. (µS/cm)</th>
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<tr>
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<thead>
<tr>
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<tr>
<th>Carbonate</th>
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<tr>
<th>Bicarbonate</th>
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<td>Total Hardness</td>
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<th>Cadmium</th>
<th>Ion Balance</th>
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<th>Chromium</th>
<th>Amm. Nitrogen</th>
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<th>Cobalt</th>
<th>Total Phosphate</th>
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<table>
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<tr>
<th>TOC</th>
<th>Copper</th>
<th>Total Alkalinity</th>
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<table>
<thead>
<tr>
<th>Silica</th>
<th>Lead</th>
<th>Nitrate &amp; Nitrite N</th>
</tr>
</thead>
</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: **1.000H**  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

*printed on 2/20/98*
**Well Number:** 01714

**Elevation (AMSL) (m):** 664

**Licence No.:** AEP: 152298

**Date Started:** 10 May 90

**Date Completed:** 10 May 90

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<th>Well Number: NW 22-053-27 W4M</th>
<th>Well Owner: Moro, Don</th>
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<tbody>
<tr>
<td>Drilling Contractor: D&amp;D Water Well Drilling &amp; Services</td>
<td></td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 0
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Plastic
- **Depth (m):** 35.4
- **Bottom (m):** 35.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 21.3 to 22.9

### Liner:
- **Type:** Plastic
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to (m):**
  - **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 35.4 to 36.6
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 24.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **Vanadium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Copper:**
- **Screen:**
- **Thickness:**
- **OD:**
- **Perforated How:**
- **Size:**
- **Open Hole:**
- **from (m):**
- **to (m):**
- **Pump:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Electric Log:
- **No**
- **Transmissivity:** m²/day

### Gamma Log:
- **No**
- **Storativity:**

### Aquifer Test:
- **No**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description:
<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>11.0</td>
<td>652.6</td>
<td>Clay Silty Blue</td>
</tr>
<tr>
<td>12.2</td>
<td>651.4</td>
<td>Sand</td>
</tr>
<tr>
<td>23.5</td>
<td>640.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>38.1</td>
<td>625.4</td>
<td>Sand</td>
</tr>
<tr>
<td>42.7</td>
<td>620.9</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 01716**

**Elevation (AMSL) (m): 670**

**AEP: 155699**

**Date Started: 23 Apr 91**

**Date Completed: 23 Apr 91**

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 15.5 (m)
- **NPWL (m):** 2.4 
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 13.7 
- **Bottom (m):** 13.7
- **OD (mm):** 152.4 
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 13.7

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 13.7 
- **Bottom (m):** 15.2  
- **Size:** 0.01
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 12.2
- **Drawdown (m):** 9.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

---

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lab:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Barium:**
- **Barium:**
- **Beryllium:**
- **Cadium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **Vanadium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Bicarbonate:**
- **Barium:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Hydroxide:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **TOC:**
- **TOT:**
- **DIC:**
- **Hydroxide:**
- **Carbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Total Alkalinity:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

---

**printed on 2/20/98**
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<thead>
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<th>General</th>
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<tbody>
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<td><strong>Well Owner:</strong> Summers, Julie</td>
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<tr>
<td><strong>Drilling Contractor:</strong> Unknown Driller</td>
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<tr>
<td><strong>Type of Work:</strong> Chemistry</td>
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<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
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<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 42.7 (m)</td>
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<td><strong>NPWL (m):</strong> Verified NPWL (m):</td>
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<tr>
<td><strong>from (m):</strong> to</td>
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<tr>
<td><strong>Pump:</strong></td>
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<td><strong>Model:</strong> Intake (m):</td>
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<td><strong>Testing:</strong></td>
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<td><strong>TDS:</strong> TKN</td>
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<td><strong>Sodium:</strong> Nitrate</td>
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<td><strong>Potassium:</strong> Nitrite</td>
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<td><strong>Iron:</strong> Cobalt</td>
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<td><strong>Silica:</strong> Lead</td>
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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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</tbody>
</table>
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 23.8
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 24.4
- **Bottom (m):** 24.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 24.4

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 22.9
- **Bottom (m):** 91.4
- **Perforated How:** Other
- **from (m):** 61.0 to 91.4

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Rate (lpm):** 9.1
- **Time (minute):** 300.0
- **Level End (m):** 73.2
- **Drawdown (m):** 49.4
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 26-053-27 W4M**

**Well Number:** 01719

**Well Owner:** Wocasek, Clarence

**Drilling Contractor:** Chappell, W. Drilling

**Elevation (AMSL) (m):** 696

**AEP:** 260133

**Licence No.:** Easting: 73,861.32

**Date Started:** 15 Jul 95

**Date Completed:** 29 Jul 95

**Well Use:** Domestic & Stock

**Completed Depth:** 45.7 (m)

**NPWL (m):** 10.7

**Abandonment:**

**Type:** Steel

**Depth (m):** 26.8

**Bottom (m):** 26.8

**OD (mm):** 139.7

**Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** to 26.8

**Liner:**

**Type:**

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Top (m):** 25.0

**Bottom (m):** 45.7

**Perforated How:** Torch

**from (m):** 25.0 to 45.7

**Size:**

**from (m):** to

**Size:**

**from (m):** to

**Open Hole:**

**from (m):** to

**Pump:** Sub

**Model:**

**Intake (m):**

**Testing:**

**Rate (lpm):** 36.5

**Time (minute):** 120.0

**Level End (m):** 45.7

**Drawdown (m):** 35.0

**Rec'd Rate (lpm):** 42.7

**Rec'd intake (m):** 4.6

**Laboratory:**

**pH (pH unit):**

**COD:**

**SAR:**

**TDS:**

**Sodium:**

**Nitrate:**

**Strontium:**

**Potassium:**

**Sulfate:**

**Beryllium:**

**Chloride:**

**Calcium:**

**Carbonate:**

**DIC:**

**Bicarbonate:**

**Arsenic:**

**Total Hardness:**

**Aluminum:**

**Barium:**

**Manganese:**

**Magnesium:**

**TC:**

**Vanadium:**

**Molybdenum:**

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to

**Size:**

**from (m):** to

**Size:**

**from (m):** to


**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Database:** Project:
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 20.7
- **Verified NPWL (m):**
- **Abandonment:**
- **Lithologic Description:**
  - Depth (m): 21.3
  - Bottom (m): 21.3
  - OD (mm): 165.1
  - Thickness (mm): 0.1
  - Seal Type: Shale Trap
  - from (m): 19.5 to

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.2
- **Top (m):** 48.8
- **Bottom (m):** 73.2
- **Perforated How:** Machine
- **from (m):** 22.6 to 28.0
- **Size:**
- **from (m):** 31.1 to 31.4
- **Size:**
- **from (m):** 39.6 to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 67.1

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 480.0
- **Level End (m):** 32.0
- **Drawdown (m):** 11.3
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **Sulfate:** Nickel
- **TDS:** TKN
- **Sodium:** Strontium
- **Nitrate:** Selenium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Arsenic:** Manganese
- **Barium:** Phosphate
- **Sulphate:** Ion Balance
- **Beryllium:** Amm. Nitrogen
- **Chloride:** Chromium
- **Fluoride:** Cobalt
- **Iron:** Total Phosphate
- **TOC:** Copper
- **Silica:** Total Alkalinity
- **Lead:** Nitrate
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:**

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Database:** Yes
- **Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
**SE 28-053-27 W4M**

**Well Owner:** Goertz, Arnold  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 672  
**AEP:** 159126  
**Licence No.:**  71,646.17  
**Date Started:** 06 Sep 91  
**Northing:** 5,937,264.50  
**Date Completed:** 09 Sep 91

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<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
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<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
<td>51.8</td>
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<td>Completed Depth</td>
<td>71,646.17</td>
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<td>NPWL (m): 7.6</td>
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<td>Casing:</td>
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<tr>
<td>Type: Plastic</td>
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<tr>
<td>Depth (m): 36.9</td>
<td>Bottom (m): 36.9</td>
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<td>OD (mm): 152.4</td>
<td>Thickness (mm): 0.1</td>
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<td>Seal Type: Sand Pack</td>
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<tr>
<td>from (m): to</td>
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<td>Liner:</td>
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<td>Type:</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
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<td>from (m): to</td>
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<td>from (m): to</td>
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<td>Screen:</td>
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<td>Material: St</td>
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<tr>
<td>OD (mm): 1.5</td>
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<tr>
<td>from (m): 36.9 to 38.4</td>
<td>Size: 0.01</td>
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<td>from (m): to</td>
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<td>Open Hole:</td>
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<td>from (m): to</td>
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<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<td>Rate (lpm): 31.9</td>
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<td>Level End (m): 24.4</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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| Laboratory: | | | |
| pH (pH unit) | COD | Mercury | |
| Cond. (µS/cm) | SAR | Nickel | |
| TDS | TKN | Selenium | |
| Sodium | Nitrate | Strontium | |
| Potassium | Nitrite | Molybdenum | |
| Calcium | TN | Vanadium | |
| Magnesium | TC | Zinc | |
| Carbonate | DIC | Hydroxide | |
| Bicarbonate | | | |
| Arsenic | | | |
| Total Hardness | | | |
| Aluminum | Barium | Manganese | |
| Sulphate | Beryllium | Phosphate | |
| Chloride | Cadmium | Ion Balance | |
| Fluoride | Chromium | Amm. Nitrogen | |
| Iron | Cobalt | Total Phosphate | |
| TOC | Copper | Total Alkalinity | |
| Silica | Lead | | |
| | | Nitrate&Nitrite N | |

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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| Electric Log: No | Transmissivity: m²/day | |
| Gamma Log: No | Storativity: | |
| Aquifer Test: No | Project: Database: 1.000H | |
| AEP Data: Yes | Well Field Verified: No | |

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*Chemical Constituents are in mg/l (ppm). Except as noted.*

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*printed on 2/20/98*
**Well Number**: 01722

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<th>Well Owner:</th>
<th>Brown, Dave</th>
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<td>Drilling Contractor:</td>
<td>Summer's Drilling Ltd.</td>
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<td>Elevation (AMSL) (m):</td>
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<td>Licence No.:</td>
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<td>Northing:</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 33.5 (m)
- **NPWL (m):** .6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 30.5
- **Bottom (m):** 30.5
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Puddled Clay
- **from (m):** to 21.3

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 30.5 to 32.3
- **Size:** 0.01
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 27.4
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 23.8
- **Rec'd Rate (lpm):** 18.2
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:***
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Albers, Bob
Drilling Contractor: Unknown Driller

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 56.4 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- from (m):
- to

Liner:
- Type:
- OD (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m):
- to
- Size:
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- pH:
- COD:
- SAR:
- TKN:
- Nitrate:
- Nitrite:
- Molybdenum:
- Zinc:
- Hydroxide:
- Arsenic:
- Barium:
- Beryllium:
- Cadmium:
- Chromium:
- Cobalt:
- Copper:
- Lead:
- Mercury:
- Nickel:
- Strontium:
- Vanadium:
- Zinc:
- Amm. Nitrogen:
- Total Hardness:
- Manganese:
- Phosphate:
- Ion Balance:
- Ammonium:
- Total Phosphate:
- Total Alkalinity:
- Nitrate:
- Nitrite:
- Sulphate:
- Iron:
- Copper:
- Lead:
- Nitrate:
- Phosphate:
- Chemical Constituents are in mg/l (ppm), except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Well Number 01723

Elevation (AMSL) (m): 715
AEP: 198299
Date Started:
Easting: 70,050.96
Northing: 5,938,333.50
Date Completed:

Remarks:

Chemical Constituents are in mg/l (ppm), except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 96.0 m
- **NPWL (m):** 2.4
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
  - **Depth (m):** 51.5
  - **Bottom (m):** 51.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packer
  - **from (m):** 43.6
  - **to:** 51.5
- **Liner: Type:**
  - **OD (mm):** 127.0
  - **Thickess (mm):** 0.1
  - **Top (m):** 43.6
  - **Bottom (m):** 95.1
- **Perforated How:** Machine
  - **from (m):** 43.6
  - **to:** 95.1
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):**
    - **to:**
    - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
- **Open Hole:**
  - **from (m):**
  - **to:**
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 6.8
  - **Time (minute):** 420.0
  - **Level End (m):** 67.1
  - **Drawdown (m):** 64.6
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Beryllium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Lithologic Description:
- **Depth:**
  - **Elevation:**
  - **Lithologic Description:**
    - 6.1 708.3 Clay Yellow
    - 8.5 705.9 Shale Green
    - 12.2 702.2 Shale Sandy Gray
    - 12.8 701.6 Shale Brown
    - 25.3 689.1 Shale
    - 27.4 687.0 Shale Sandy Gray
    - 37.5 676.9 Shale Green
    - 42.7 671.8 Shale Gray
    - 48.2 666.3 Shale Gray
    - 50.3 664.1 Shale Sandy Gray
    - 57.3 657.1 Shale Green
    - 61.0 653.5 Shale Sandy Gray
    - 62.5 652.0 Shale Gray
    - 67.1 647.4 Shale Sandy Gray
    - 83.8 630.6 Shale Gray
    - 86.3 628.2 Shale Sandy Gray
    - 91.4 623.0 Shale Gray
    - 93.3 621.2 Shale & Coal Soft Brown
    - 96.0 618.4 Shale Gray

### Electric Log:
- **No**
- **Transmissivity:**
- **m³/day**
- **Gamma Log:**
- **No**
- **Storativity:**
- **Aquifer Test:**
- **No**
- **AEP Data:**
- **Yes**
- **Well Field Verified:**
- **No**

### Project:
- **Database:** 1.000H

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 29-053-27 W4M**

**Well Owner:** Collins, D.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Well Number:** 01725

**Elevation (AMSL) (m):** 715

**AEP:** 153065

**Licence No.:** 70,241.18

**Date Started:** 01 Jun 89

**Date Completed:** 06 Jun 89

**Winter Wells**

**Well Use:** Domestic

**Completed Depth:** 88.7 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**

**Type:** Steel

**Depth (m):** 50.6

**Bottom (m):** 50.6

**OD (mm):** 141.2

**Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** to 49.7

**Liner:**

**Type:**

**OD (mm):** 101.6

**Thickness (mm):**

**Top (m):** 46.0

**Bottom (m):** 88.7

**Perforated How:** Other

**from (m):** 46.3 to 83.8

**Size:**

**from (m):** to Size:

**from (m):** to Size:

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to Size:

**from (m):** to Size:

**Open Hole:**

**from (m):** to

**Pump:** Sub

**Model:** Gould

**Intake (m):**

**Testing:**

**Rate (lpm):** 18.2

**Time (minute):** 120.0

**Level End (m):** 70.1

**Drawdown (m):**

**Rec'd Rate (lpm):**

**Rec'd intake (m):**

**Laboratory:**

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<th>Mercury</th>
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<td>TDS</td>
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<td>Silicon</td>
<td>Lead</td>
<td>Nitrate/Nitrite N</td>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 01726

**Well Owner:** Collins, D.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 715  
**Licence No.:** AEP: 160025  
**Date Started:** 23 May 91  
**Easting:** 70,232.80  
**Nothing:** 5,938,021.50  
**Date Completed:** 28 May 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

### Casing:
- **Type:** Steel  
- **Depth (m):** 50.9  
- **Bottom (m):** 50.9  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven & Shale Trap  
- **from (m):** 50.3  
- **to:** 50.9

### Liner:
- **Type:** Steel  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 45.7  
- **Bottom (m):** 100.6

### Perforated Hole:
- **Type:** Machine  
- **from (m):** 76.2  
- **to:** 84.5

### Screen:
- **Material:** Steel  
- **OD (mm):** 114.3  
- **Bottom (m):** 50.9  
- **Top (m):** 100.6

### Pump:
- **Model:**  
- **Intake (m):** 70.1

### Testing:
- **Rate (lpm):** 9.1  
- **Time (minute):** 120.0  
- **Level End (m):** 100.6  
- **Drawdown (m):** 100.6  
- **Rec’ed Rate (lpm):**  
- **Rec’ed intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- No  
- Transmissivity: m³/day

### Gamma Log:
- No  
- Storativity:

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### AEP Data:
- Yes  
- Well Field Verified: No

**Water Well Positioned by PFRA in 10TM NAD 27**
**NE 29-053-27 W4M**

**Well Number:** 01727

**Well Owner:** Filewich, Gerry

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 713  
**AEP:** 164473

**Licence No.:** 70.151.45  
**Date Started:** 10 Mar 92  
**Date Completed:** 13 Mar 92  
**Northing:** 5,936,119.50

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 115.8 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 53.6  
**Bottom (m):** 53.6
- **OD (mm):** 152.4  
**Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Cutting  
**from (m):** 51.8  
**to:** 53.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
**Thickness (mm):** 0.1
- **Top (m):** 51.8  
**Bottom (m):** 115.8
- **Perforated How:** Machine  
**from (m):** 79.2  
**to:** 115.8  
**Size:**
- **from (m):** 51.8  
**to:** 53.0  
**Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
- **Open Hole:**
  - **from (m):**
  - **to:**

**Pump:**
- **Model:**
- **Intake (m):** 79.2

**Testing:**
- **Rate (lpm):** 9.1  
**Time (minute):** 180.0
- **Level End (m):** 79.2  
**Drawdown (m):** 51.8
- **Rec’d Rate (lpm):** 9.1  
**Rec’d intake (m):**

---

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbamate:** DIC
- **Hydroxide:**
- **Carbonate:** DO
- **Arsenic:** Total Hardness
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrates & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Well Number:** NE 29-053-27 W4M
- **Well Owner:** Grenier, E.
- **Drilling Contractor:** Cobob Pumps And Services Ltd.
- **Elevation (AMSL) (m):** 714
- **AEP:** 169650
- **Licence No.:** 70,388.33
- **Date Started:** 06 Oct 92
- **Date Completed:** 09 Oct 92
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 115.2 (m)
- **NPWL (m):** 18.3
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 41.5
- **Bottom (m):** 41.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
  - from (m): 39.6 to 41.5
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 39.6
  - **Bottom (m):** 115.2
- **Perforated How:** Saw
  - from (m): 84.7 to 115.2
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - from (m): to
  - Size:
  - from (m): to
  - Size:
- **Open Hole:**
  - from (m): to

### Pump:
- **Model:** Gould 5g05422
- **Intake (m):** 82.3
- **Testing:**
  - **Rate (lpm):** 6.8
  - Time (minute): 480.0
  - Level End (m): 82.3
  - Drawdown (m): 64.0
  - Rec'd Rate (lpm): 4.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Lithologic Description:
- **Depth (m):**
- **Elevation (BGL) (m):**
- **Lithologic Description:**
  - 1.8 711.9 Topsoil Clayey Brown
  - 9.8 703.9 Shale Yellow
  - 20.7 693.0 Shale Gray
  - 23.2 690.5 Shale Green
  - 23.8 689.9 Sandstone Gray
  - 24.7 689.0 Coal
  - 36.9 676.8 Shale Green
  - 39.6 674.1 Shale Gray
  - 45.7 668.0 Shale Green
  - 52.4 661.3 Shale & Sandstone Ledges Gray
  - 60.0 653.6 Shale Gray
  - 64.0 649.7 Shale & Coal Brown
  - 70.1 643.6 Shale Gray
  - 72.5 641.1 Sandstone Gray
  - 79.6 634.1 Shale Gray
  - 80.2 633.5 Sandstone Gray
  - 87.5 626.2 Shale Green
  - 88.4 625.3 Sandstone Gray
  - 90.8 622.9 Shale Gray
  - 92.4 621.3 Sandstone Gray
  - 103.6 610.1 Shale Gray
  - 108.2 605.5 Sandstone Gray
  - 115.2 598.5 Shale Gray

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**Well Number:** 01729

**Well Owner:** Tobert, Gerry

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 715

**Licence No.:** AEP: 243928

**Date Started:** 26 Jul 94

**Date Completed:** 28 Jul 94

---

### General:

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<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
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</table>

| Completed Depth | 82.9 (m) |
| NPWL (m): | 4.6 |

| Abandonment: |

### Casing:

| Type: | Steel |
| Depth (m): | 77.4 |
| Top (m): | 139.7 |
| Seal Type: | Driven |
| from (m): | 76.2 |
| to: | 77.4 |

### Liner:

| Type: |
| OD (mm): | 1.2 |
| Top (m): | 81.7 |
| Bottom (m): | 82.9 |

| Perforated How: |
| from (m): | to |
| Size: |
| from (m): | to |
| Size: |
| from (m): | to |
| Size: |

### Screen:

| Material: | St |
| OD (mm): | 1.2 |
| from (m): | 81.7 |
| to: | 82.9 |
| Size: | 0.01 |

### Open Hole:

| from (m): | to |
| Intake (m): | 42.7 |

### Pump:

| Model: |
| Rate (lpm): | 45.6 |
| Time (minute): | 120.0 |
| Level End (m): | 42.7 |
| Drawdown (m): | 38.1 |

| Rec'd Rate (lpm): | 42.7 |
| Rec'd intake (m): | 45.6 |

### Laboratory:

| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS: | TKN |
| Sodium: | Nitrate |
| Potassium: | Nitrite |
| Calcium: | TN |
| Magnesium: | TC |
| Carbonate: | DIC |
| Bicarbonate: | Arsenic |
| Aluminium: | Barium |
| Sulphate: | Beryllium |
| Chloride: | Cadmium |
| Fluoride: | Chromium |
| Iron: | Cobalt |
| TOC: | Copper |
| Silica: | Lead |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Electric Log:

| No |

### Gamma Log:

| No |

### Aquifer Test:

| No |

### Database:

| 1.000H |

### Project:

| Yes |

### AEP Data:

| Yes |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** NE 29-053-27 W4M

**Well Owner:** Tobert, Gerry

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 715

**Licence No.:** AEP: 243928

**Date Started:** 26 Jul 94

**Date Completed:** 28 Jul 94

---

### Lithologic Description

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### Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** NE 29-053-27 W4M

**Well Owner:** Tobert, Gerry

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 715

**Licence No.:** AEP: 243928

**Date Started:** 26 Jul 94

**Date Completed:** 28 Jul 94

---

### Lithologic Description

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<td>Sandstone Coarse Grained</td>
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</tbody>
</table>

### Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 56.1 m
- **NPWL (m):** 28.7
- **Verified NPWL (m):**

### Abandonment:

### Casing:
- **Type:** Plastic
- **Depth (m):** 50.6
- **Bottom (m):** 50.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 50.6

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How:
- **from (m):** to
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 50.6 to 52.1
- **Size:** 0.01
- **from (m):** to
- **Top (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec’d Rate (lpm):**
- **Rec’d intake (m):** 36.0

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:**

### Geology:

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<tr>
<th>Depth (m)</th>
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<th>Lithologic Description</th>
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### Water Well Positioned by PFRA in 10TM NAD 27
SE 29-053-27 W4M

Well Owner: Baniak, Matthew
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number: 01731

Elevation (AMSL) (m): 699
AEP: 245051
Licence No.: Easting: 70,320.37
Date Started: 22 Sep 94
Nothing: 5,937,708.00
Date Completed: 23 Sep 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth 65.2 (m)
NPWL (m): 0 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 27.4 Bottom (m): 27.4
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 27.4

Liner:
Type: Plastic
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 25.6 Bottom (m): 64.3
Perforated How: Saw
from (m): 27.4 to 64.3 Size:

Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Jacuzzi
Intake (m): 48.8

Testing:
Rate (lpm): 11.4 Time (minute): 120.0
Level End (m): 45.7 Drawdown (m): 45.7
Rec'd intake (m): 48.8 Rec'd Rate (lpm): 9.1

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m)
Lithologic Description
1.5 697.5 Clay Sandy Yellow
6.7 692.3 Clay Blue
8.5 690.5 Clay & Sand Blue
14.6 684.4 Sand & Coal
15.2 683.8 Clay Blue
17.4 681.7 Sand
18.6 680.4 Clay Blue
20.1 678.9 Sand
21.0 678.0 Sand & Coal Brown
27.4 671.6 Shale Brittle Gray
29.0 670.1 Shale Greenish Gray
35.0 664.0 Shale Sandy Gray
39.6 659.4 Shale Gray
45.4 653.6 Shale Sandy Gray
50.3 648.7 Shale Gray
51.5 647.5 Sandstone
54.6 644.5 Shale Brittle Gray
55.8 643.3 Coal
57.6 641.4 Shale Brittle
60.4 638.7 Shale Green
62.2 636.9 Shale Sandy Green
65.2 633.8 Shale Gray

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
SW 30-053-27 W4M

Well Owner: Hartum, Bill
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number: 01732
Elevation (AMSL) (m): 715
AEP: 150194
Licence No.: Easting: 67,403.95
Date Started: 28 Mar 90
Northing: 5,937.319.00
Date Completed: 29 Mar 90

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

Completed Depth: 81.4 (m)
NPWL (m): 14.9
Verified NPWL (m):
Abandonment:

Casing:
- Type: Steel
- Depth (m): 60.4
- Bottom (m): 60.4
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): 60.4
- to

Liner:
- Type: Torche
- OD (mm): 116.8
- Thickness (mm): 0.0
- Top (m): 60.4
- Bottom (m): 80.5
- Perforated How: Torche
- from (m): 60.4
- to 80.5
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 20.5
- Time (minute): 420.0
- Level End (m): 61.0
- Drawdown (m): 46.0
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
NE 31-053-27 W4M

Well Owner: Culham, Marcia
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 01733
Elevation (AMSL) (m): 737
AEP: 150195
Licence No.: Easting: 68,635.93
Date Started: 29 Mar 90
Northing: 5,939,639.00
Date Completed: 30 Mar 90

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 65.5 (m)
NPWL (m): 9.1
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.6
Bottom (m): 36.6
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): 36.6
to

Liner:
Type:
OD (mm): 116.8
Thickness (mm): 0.1
Top (m): 35.0
Bottom (m): 65.5

Perforated How: Other
from (m): 39.6
to 64.0
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 68.4
Time (minute): 120.0
Level End (m): 30.5
Drawdown (m): 21.3
Rec'd Rate (lpm):
Rec'd intake (m):

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Nitrate: Selenium
Sodium: Strontium
Potassium: Molybdenum
Calcium: Vanadium
Magnesium: Zinc
Carbonate: Hydroxide
Bicarbonate: Total Hardness
Aluminium: Manganese
Sulphate: Beryllium
Chloride: Ion Balance
Fluoride: Amm. Nitrogen
Iron: Cobalt
TOC: Copper
Silica: Total Alkalinity

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
SE 31-053-27 W4M

Well Owner: Gaunt, Ian
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 730
AEP: 242928
Licence No.: Easting: 68,480.44
Date Started: 30 Aug 94
Northing: 5,939,086.50
Date Completed: 01 Sep 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 75.6 (m)
NPWL (m): 18.6
Abandonment:

Casing:
Type: Plastic
Depth (m): 47.6
Bottom (m): 47.6
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): to 47.6

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 45.7
Bottom (m): 73.2

Perforated How: Saw
from (m): 54.9 to 73.2
Size: from (m): to
Size: from (m): to

Screen:
Material:
OD (mm):
from (m): to
from (m): to

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 75.6

Testing:
Rate (lpm): 36.5
Time (minute): 120.0
Level End (m): 68.0
Drawdown (m): 49.4
Rec'd intake (m): 64.0
Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)

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<td>75.6</td>
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Lithologic Description

- Clay Sandy Yellow
- Sand & Gravel
- Clay Sandy Yellow
- Clay Sandy Blue
- Sand
- Shale Brittle Gray
- Shale Green
- Sandstone
- Shale & Coal Brown
- Sandstone
- Shale Green

Other Parameters:

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
SE 32-053-27 W4M

Well Owner: Beerda, Gerry
Drilling Contractor: Lousana Water Wells Ltd.

Elevation (AMSL) (m): 744
AEP: 257986
Licence No.: 70,040.98
Date Started: 13 Mar 95
Northing: 5,939,239.50
Date Completed: 16 Mar 95

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 121.9 (m)
  - NPWL (m): 47.8
  - Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 51.5
  - Bottom (m): 51.5
- OD (mm): 141.2
  - Thickness (mm): 0.1
- Seal Type: Driven
  - from (m): to 51.5

**Liner:**
- Type: Driven
- OD (mm): 114.3
  - Thickness (mm): 0.1
- Top (m): 48.8
  - Bottom (m): 121.9

**Perforated How:**
- Saw
  - from (m): 54.9 to 121.9
  - Size:
- from (m): to 121.9
  - Size:
- from (m): to 121.9
  - Size:

**Screen:**
- Material:
  - OD (mm): from (m): to
  - Thickness (mm): from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- Model:
  - Intake (m): 83.8

**Testing:**
- Rate (lpm): 8.2
  - Time (minute): 120.0
- Level End (m): 83.8
  - Drawdown (m): 36.6
- Rec’d intake (m): 83.8
  - Rec’d Rate (lpm): 4.6

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98

**Depth Elevation**
- (BGL) (AMSL)
  - (m) (m)
  - Lithologic Description
    - 3.7 740.6 Clay & Rocks Sandy Brown
    - 6.1 738.1 Sand Brown
    - 12.5 731.7 Gravel Clayey Brown
    - 19.8 724.4 Clay Sandy Brown
    - 44.5 699.7 Shale & Coal Gray
    - 45.4 698.8 Sandstone Clayey
    - 46.9 697.3 Shale Soft Gray
    - 48.8 695.4 Coal
    - 61.0 683.3 Shale & Coal Gray
    - 63.4 680.8 Shale & Sandstone Sandy Gray
    - 82.6 661.6 Shale & Coal Gray
    - 96.9 647.3 Sandstone Bentonitic Gray
    - 110.9 633.3 Shale & Sandstone Gray
    - 119.2 625.0 Shale & Sandstone Ledges Bento
    - 121.9 622.3 Shale Gray

**Database:**
- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**SE 32-053-27 W4M**

**Well Number:** 01737

**Well Owner:** Greig, Barry

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 747

**AEP:** 152024

**Licence No.:** Easting: 70,071.66

**Date Started:** 02 Jan 90

**Date Completed:** 09 Jan 90

**Well Number:** 01737

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<tr>
<th>Laboratory:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td></td>
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<tr>
<td>Potassium</td>
<td></td>
</tr>
<tr>
<td>Calcium</td>
<td></td>
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<tr>
<td>Magnesium</td>
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</tr>
<tr>
<td>Carbonate</td>
<td></td>
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<tr>
<td>Bicarbonate</td>
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<td>Aluminum</td>
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<tr>
<td>Sulphate</td>
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<tr>
<td>Chloride</td>
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<td>Fluoride</td>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No

**Project:**  
**Database:** 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
SE 32-053-27 W4M

Well Number: 01738

Well Owner: Hampton, Roger & Bonnie

Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 737

Licence No.: Easting: 70,147.63

Date Started: Northing: 5,938,786.50

Date Completed:

General:
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic
- Completed Depth: 48.8 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- from (m):
- to

Liner:
- Type:
- OD (mm):
- Top (m):
- Perforated How:
- from (m):
- to
- Size:
- Size:
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:
- Size:
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silicona:
- Lead:
- Mercury:
- Nickel:
- Strontium:
- Molybdenum:
- Vanadium:
- Zinc:
- Hydroxide:
- Total Hardness:
- Manganese:
- Phosphate:
- Ion Balance:
- Amm. Nitrogen:
- Total Phosphate:
- Copper:
- Total Alkalinity:
- Nitrate:
- Nitrite:
- Molybdenum:
- Potassium:
- Total Hardness:
- Calcium:
- Magnesium:
- Zinc:
- Total Hardness:
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- Calcium:
- Magnesium:
- Zinc:
- Total Hardness:
- Calcium:
- Magnesium:
- Zinc:
- Total Hardness: Electric Log: No
- Transmissivity: m³/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Printed on 2/20/98
**Well Number:** 01739

**Well Owner:** Horvath, Julius

**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 728

**AEP:** 153517

**Licence No.:**

**Date Started:** 11 Sep 90

**Easting:** 70,363.84

**Date Completed:** 22 Sep 90

**Northing:** 5,938,792.50

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 m
- **NPWL (m):** 8.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Bottom (m)</th>
<th>OD (mm)</th>
<th>Thickness (mm)</th>
<th>Seal Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>from (m): 48.8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Liner:**

<table>
<thead>
<tr>
<th>Type</th>
<th>OD (mm): 127.0</th>
<th>Thickness (mm): 0.1</th>
<th>Top (m):</th>
<th>Bottom (m): 74.1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>from (m): 49.7</td>
<td>to 74.1</td>
<td>from (m): to</td>
<td>Size:</td>
</tr>
</tbody>
</table>

**Screen:**

<table>
<thead>
<tr>
<th>Material</th>
<th>OD (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
</tbody>
</table>

**Open Hole:**

| from (m): | to |

**Pump:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Intake (m): 54.9</th>
</tr>
</thead>
</table>

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 240.0
- **Level End (m):** 51.8
- **Drawdown (m):** 43.3
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
  - COD
  - SAR
  - TDS
  - Sodium
  - Potassium
  - Calcium
  - Magnesium
  - Carbonate
  - Bicarbonate
  - Aluminium
  - Sulphate
  - Chloride
  - Fluoride
  - Iron
  - TOC
  - Silica

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**SE 32-053-27 W4M**

**Well Owner:** O'Driscoll, Bob  
**Drilling Contractor:** Westar Water Well Drilling Ltd.

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.4</td>
<td>746.0</td>
<td>Clay</td>
</tr>
<tr>
<td>9.8</td>
<td>738.7</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>23.5</td>
<td>725.0</td>
<td>Shale</td>
</tr>
<tr>
<td>24.1</td>
<td>724.4</td>
<td>Coal</td>
</tr>
<tr>
<td>32.0</td>
<td>716.5</td>
<td>Shale</td>
</tr>
<tr>
<td>33.8</td>
<td>714.6</td>
<td>Sandstone &amp; Coal</td>
</tr>
<tr>
<td>41.8</td>
<td>706.7</td>
<td>Shale</td>
</tr>
<tr>
<td>45.1</td>
<td>703.4</td>
<td>Sandstone</td>
</tr>
<tr>
<td>51.8</td>
<td>696.7</td>
<td>Shale</td>
</tr>
<tr>
<td>54.0</td>
<td>694.5</td>
<td>Sandstone</td>
</tr>
<tr>
<td>56.4</td>
<td>692.1</td>
<td>Shale</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

| DIC | Hydroxide |
| Calcium | Magnesium |
| Beryllium | Phosphate |
| Cadmium | Ion Balance |
| Chromium | Amm. Nitrogen |
| Cobalt | Total Phosphate |
| Copper | Total Alkalinity |
| Lead | Nitrate & Nitrite N |

**Remarks:**  
**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 32-053-27 W4M**

Well Owner: Trommeshauser, Fred  
Drilling Contractor: Westar Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
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</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
<td></td>
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<tr>
<td>Completed Depth 74.7</td>
<td>NPWL (m): 15.9</td>
<td>Verified NPWL (m):</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
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<tr>
<td>Type: Steel</td>
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</tr>
<tr>
<td>Depth (m): 30.5</td>
<td>Bottom (m): 30.5</td>
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</tr>
<tr>
<td>OD (mm): 141.2</td>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>Seal Type: Drive Shoe</td>
<td></td>
<td></td>
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<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Liner:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type: Drive Shoe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm): 114.3</td>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Top (m): 54.9</td>
<td>Bottom (m): 74.7</td>
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<tr>
<td>Perforated How: Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): 54.9</td>
<td>to 74.7</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Screen:</td>
<td></td>
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<tr>
<td>Material:</td>
<td></td>
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<tr>
<td>OD (mm):</td>
<td></td>
<td></td>
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<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intake (m): 67.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Testing:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rate (lpm): 9.1</td>
<td>Time (minute): 420.0</td>
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<tr>
<td>Level End (m): 67.1</td>
<td>Drawdown (m): 51.2</td>
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<tr>
<td>Rec’d intake (m):</td>
<td>Rec’d Rate (lpm): 9.1</td>
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</tbody>
</table>

**Laboratory:**

- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- silica
- Lead

- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Manganese
- Molybdenum
- Phosphate
- Vanadium
- Amm. Nitrogen
- Total Hardness
- Total Phosphate
- Total Alkalinity
- Nitrate
- Strontium
- Sodium
- Nitrite
- Molybdenum
- Phosphate
- Total Hardness
- Total Phosphate
- Total Alkalinity
- Nitrate

- Mercury
- Nickel
- Selenium
- Zinc
- Hydroxide
- Total Hardness
- Total Phosphate
- Total Alkalinity

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### SE 32-053-27 W4M

**Well Owner:** Ziehr, Darrel  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

### General Information
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Elevation (AMSL) (m):** 748  
- **Licence No.:** 164461  
- **Date Started:** 24 Mar 92  
- **Date Completed:** 27 Mar 92

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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### Casing Information
- **Type:** Plastic  
- **Depth (m):** 48.8  
- **Bottom (m):** 48.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 48.8

### Liner Information
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 44.8  
- **Bottom (m):** 95.1

### Screen Information
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole Information
- **from (m):** to

### Pump Information
- **Model:**  
- **Intake (m):** 54.9

### Testing Information
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 54.9  
- **Drawdown (m):** 9.1  
- **Rec’d intake (m):**  

### Laboratory Information

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### Electric Log
- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Storativity:**

### Aquifer Test
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  

### Remarks

*Water Well Positioned by PFRA in 10TM NAD 27*

*Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m) NPWL (m): 35.0
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 54.3
  - **OD (mm):** 152.4
  - **Seal Type:** Driven
  - **Thickness (mm):** 0.1
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Perforated How:** Saw
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness (mm):**
- **Open Hole:**
- **Pump:** Sub
  - **Model:** Gould
  - **Intake (m):** 73.2
- **Testing:**
  - **Rate (lpm):** 18.2
  - **Time (minute):** 620.0
  - **Level End (m):** 73.2
  - **Rec'd intake (m):** 71.6
  - **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **I on Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Phosphate:**
- **Lead:**
- **Nitr ate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Ion Balance:**
- **Fluoride:**
- **Sulphate:**
- **Chloride:**
- **Iron:**
- **Iron & Nitrate N:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Cadmium:**
- **Manganese:**
- **Barium:**
- **Arsenic:**
- **Total Hardness:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitr ate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

### Depth Elevation (BGL) (AMSL) (m) Lithologic Description

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 85.3 (m)
- **NPWL (m):** 16.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 21.3
- **Bottom (m):** 21.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 21.3

**Liner:**
- **Type:**
- **OD (mm):** 113.0
- **Thickness (mm):** 0.1
- **Top (m):** 18.6
- **Bottom (m):** 85.3
- **Perforated How:** Machine
- **from (m):** 18.6 to 85.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 9.1
- **Time (minute):** 420.0
- **Level End (m):** 56.4
- **Drawdown (m):** 39.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Kowalczyk, Ben
Drilling Contractor: Double R Drig

Elevation (AMSL) (m): 713
Licence No.: 256740
Date Started: 19 Sep 94
Northing: 5,939,127.50
Date Completed: 21 Sep 94

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- Completed Depth: 42.7 (m)
- NPWL (m): 6.1
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 25.6
- **Bottom (m):** 25.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
- **from (m):** to 25.6

**Liner:**
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):** 0.1
- **Top (m):** 24.4
- **Bottom (m):** 42.7
- **Perforated How:** Machine
- **from (m):** 30.5 to 42.7
- **Size:**
- **from (m):** to 42.7
- **Size:**
- **from (m):** to 42.7
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to 42.7
- **Size:**
- **from (m):** to 42.7
- **Size:**

**Open Hole:**
- **from (m):** 42.7 to

**Pump:**
- **Model:**
- **Intake (m):** 19.8

**Testing:**
- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):** 22.9
- **Drawdown (m):** 16.8
- **Rec’d Rate (lpm):** 22.8
- **Rec’d intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
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- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
SW 33-053-27 W4M

Well Number 01746

Well Owner: Denotter, Gordon
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 720
AEP: 280689
Licence No.: Easting: 70,718.40
Date Started: 28 Sep 95
Northing: 5,938,961.50
Date Completed: 30 Sep 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 68.6 (m)
NPWL (m): 12.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.6 Bottom (m): 36.6
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 36.6

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 33.5 Bottom (m): 68.6

Perforated How: Saw
from (m): 36.6 to 68.6 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 57.9
Testing:
Rate (lpm): 18.2 Time (minute): 120.0
Level End (m): 57.9 Drawdown (m): 45.1
Rec'd intake (m): 61.0 Rec'd Rate (lpm): 13.7

Laboratory:

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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

print on 2/20/98
Well Number: 01747

Well Owner: Ethier, Lucien
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 713
AEP: 160024
Licence No.: Easting: 71,144.98
Date Started: 24 Oct 91
Northing: 5,938,827.50
Date Completed: 25 Oct 91

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

Completed Depth: 97.5 (m)
NPWL (m): 22.3
Verified NPWL (m):

Abandonment:

Casing:
- Type: Steel
- Depth (m): 41.8
- Bottom (m): 41.8
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 41.8

Liner:
- Type: Driven
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 36.6
- Bottom (m): 97.5

Perforated How: Hand Drill
- from (m): 48.8 to 97.5
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 97.5

Testing:
- Rate (lpm): 9.1
- Time (minute): 180.0
- Level End (m): 97.5
- Drawdown (m): 75.3
- Rec'd intake (m): 91.4
- Rec'd Rate (lpm): 9.1

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): Mercury
- TDS: Nickel
- Sodium: Selenium
- Potassium: Strontium
- Calcium: Molybdenum
- Magnesium: Vanadium
- Carbonate: Zinc
- Bicarbonate: Hydroxide
- Barium: Total Hardness
- Sulphate: Manganese
- Chloride: Phosphorus
- Fluoride: Selenium
- Iron: Ammon. Nitrogen
- TOC: Cobalt
- Silica: Total Phosphate
- Lead: Total Alkalinity
- Nitrate: Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on: 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.5 m (m)
- **NPWL (m):** 4.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 31.4
- **Bottom (m):** 31.4
- **OD (mm):** 114.2
- **Thickness (mm):**
- **Seal Type:** Formation Packer
- **from (m):** to 31.4

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** Bottom (m): 50.6
- **Perforated How:** Torch
- **from (m):** to 50.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory Results:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- **Well Number:** 01748
- **Elevation (AMSL) (m):** 722
- **AEP:** 158506
- **Licence No.:**
- **Date Started:** 11 Aug 78
- **Easting:** 71,016.42
- **Northing:** 5,939,404.50
- **Date Completed:** 11 Aug 78
- **Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 38.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casting:
- **Type:** Steel
- **Depth (m):** 19.8
- **Bottom (m):** 19.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
  - OD (mm):
    - Thickness (mm):
    - Top (m): Bottom (m):

### Perforated How:
- from (m):
  - to
  - Size:

### Screen:
- **Material:**
  - OD (mm):
    - Thickness (mm):

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):** 24.4

### Testing:
- **Rate (lpm):** 25.1
- **Time (minute):** 360.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:** Ion Balance
- **Cadmium:** Amm. Nitrogen
- **Chromium:** Cobalt
- **Total Phosphate:** Copper
- **Total Alkalinity:** Lead
- **Nitrate & Nitrite:** Lead

### Electric Log:
- **Transmissivity:** m³/day
- **Storage:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m) (m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
<td>Clay Brown</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
<td>9.1</td>
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<tr>
<td>Completed Depth: 36.6</td>
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<td>703.9</td>
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<tr>
<td>Abandonment:</td>
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<tr>
<td>Casing:</td>
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<td>Clay Blue</td>
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<td>15.9</td>
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<tr>
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<td>Bottom (m): 30.5</td>
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<td>Shale</td>
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<tr>
<td>OD (mm): 152.4</td>
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</tr>
<tr>
<td>from (m): to 29.0</td>
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<td>694.2</td>
</tr>
<tr>
<td>Liner:</td>
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</tr>
<tr>
<td>Type:</td>
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<td>690.5</td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td></td>
<td>Sandstone</td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
<td>23.2</td>
</tr>
<tr>
<td>Top (m):</td>
<td></td>
<td>689.9</td>
</tr>
<tr>
<td>Perforated How:</td>
<td></td>
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</tr>
<tr>
<td>from (m):</td>
<td></td>
<td>688.1</td>
</tr>
<tr>
<td>to</td>
<td></td>
<td>Sandstone</td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
<td>33.8</td>
</tr>
<tr>
<td>to</td>
<td></td>
<td>679.2</td>
</tr>
<tr>
<td>Size:</td>
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<td>Shale</td>
</tr>
<tr>
<td>from (m):</td>
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<td>35.0</td>
</tr>
<tr>
<td>to</td>
<td></td>
<td>678.0</td>
</tr>
<tr>
<td>Size:</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
<td>36.6</td>
</tr>
<tr>
<td>to</td>
<td></td>
<td>676.5</td>
</tr>
<tr>
<td>Size:</td>
<td></td>
<td>Shale</td>
</tr>
</tbody>
</table>

| Screen: | |
| Material: St | |
| OD (mm): 1.2 | |
| from (m): 30.5 | Size: 0.01 |
| to 32.0 | |
| from (m): | |
| to | |
| Open Hole: | |
| from (m): | |
| to | |

| Pump: | |
| Model: Sub 10 St | Intake (m): 30.5 |

| Testing: | |
| Rate (lpm): 22.8 | Time (minute): 240.0 |
| Level End (m): 30.9 | Drawdown (m): 14.6 |
| Rec'd intake (m): 30.2 | Rec'd Rate (lpm): 22.8 |

| Laboratory: | |
| pH (pH unit): | COD Mercury |
| Cond. (µS/cm): | SAR Nickel |
| TDS: | TKN Selenium |
| Sodium: | Nitrate Strontium |
| Potassium: | Nitrite Molybdenum |
| Calcium: | TN Vanadium |
| Magnesium: | TC Zinc |
| Carbonate: | DIC Hydroxide |
| Bicarbonate: | Arsenic Total Hardness |
| Aluminum: | Barium Manganese |
| Sulphate: | Beryllium Phosphate |
| Chloride: | Cadmium Ion Balance |
| Fluoride: | Chromium Amm. Nitrogen |
| Iron: | Cobalt Total Phosphate |
| TOC: | Copper Total Alkalinity |
| Silicon: | Lead Nitrate&Nitrite N |

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 01751  
**Well Owner:** Winterholt, Tony  
**Drilling Contractor:** Lousana Water Wells Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 m  
- **NPWL (m):** 11.0  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth (m):** 21.9  
  - **Bottom (m):** 21.9  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 21.9  
- **Liner:**
  - **Type:**  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Top (m):** 18.3  
  - **Bottom (m):** 61.0  
- **Perforated How:** Saw  
- **from (m):** 24.4  
- **to:** 61.0  
- **Screen:**
  - **Material:**  
  - **OD (mm):**  
  - **from (m):**  
  - **to:**  
- **Open Hole:**
  - **from (m):**  
  - **to:**  
- **Pump:**
  - **Model:**  
  - **Intake (m):** 61.0  
- **Testing:**
  - **Rate (lpm):** 9.1  
  - **Time (minute):** 480.0  
  - **Level End (m):** 61.0  
  - **Drawdown (m):** 50.0  
  - **Rec'd Rate (lpm):** 48.8  
  - **Rec'd intake (m):** 9.1

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Arsenic:**  
- **Barium:**  
- **Total Hardness:**  
- **Potassium:**  
- **Sodium:**  
- **Nitrate:**  
- **Molybdenum:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Iron:**  
- **Cobalt Total Phosphate:**  
- **TOC:**  
- **Copper Total Alkalinity:**  
- **Silica:**  
- **Lead Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

<table>
<thead>
<tr>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
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<td>0.3</td>
<td>Topsoil</td>
</tr>
<tr>
<td>5.8</td>
<td>Clay Sandy Brown</td>
</tr>
<tr>
<td>20.7</td>
<td>Clay Sandy Gray</td>
</tr>
<tr>
<td>27.7</td>
<td>Shale &amp; Coal Gray</td>
</tr>
<tr>
<td>32.7</td>
<td>Clay Sandy Gray</td>
</tr>
<tr>
<td>33.5</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>34.8</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>36.3</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>36.6</td>
<td>Shale Sandy Brown</td>
</tr>
<tr>
<td>38.1</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>41.2</td>
<td>Shale Gray</td>
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<td>42.4</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>43.3</td>
<td>Shale &amp; Sandstone Sandy Gray</td>
</tr>
<tr>
<td>44.5</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>45.1</td>
<td>Sandstone Gray</td>
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<tr>
<td>51.2</td>
<td>Sandstone Gray</td>
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<tr>
<td>53.6</td>
<td>Shale Gray</td>
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<tr>
<td>55.8</td>
<td>Bentonite Sandy Gray</td>
</tr>
<tr>
<td>61.0</td>
<td>Shale Brownish Gray</td>
</tr>
</tbody>
</table>

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 715  
**AEP:** 257990  
**Licence No.:** Easting: 71,000.35  
**Date Started:** 16 Mar 95  
**Northing:** 5,939,178.00  
**Date Completed:** 17 Mar 95
**NE 35-053-27 W4M**

**Well Number:** 01752

**Well Owner:** Carnegie, Arnold

**Drilling Contractor:** Shumansky Waterwell Services Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Well Use: Domestic</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td></td>
</tr>
<tr>
<td>Drilling Method: Bored</td>
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<tr>
<td>Completed Depth: 23.5 (m)</td>
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</tr>
<tr>
<td>NPWL (m): 11.6</td>
<td>Verified NPWL (m):</td>
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**Abandonment:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Depth (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benseal</td>
<td>Bottom (m):</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Seal Type:</th>
<th>Thickness (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m): to 3.7</td>
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**Liner:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>OD (mm): 609.6</th>
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<tbody>
<tr>
<td>Top (m): Bottom (m): 23.5</td>
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</table>

**Perforated How:** Axe/Chisel

<table>
<thead>
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<th>from (m):</th>
<th>to 22.9</th>
<th>Size:</th>
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<tbody>
<tr>
<td>from (m):</td>
<td>to 22.9</td>
<td></td>
</tr>
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<td>from (m):</td>
<td>to 22.9</td>
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</tbody>
</table>

**Screen:**

<table>
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<th>Material:</th>
<th>OD (mm):</th>
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</thead>
<tbody>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
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</tbody>
</table>

**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): 23.5 |

**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm): 10.0</th>
<th>Time (minute): 120.0</th>
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</thead>
<tbody>
<tr>
<td>Level End (m): 21.9</td>
<td>Drawdown (m): 10.4</td>
</tr>
<tr>
<td>Rec'd intake (m): 21.3</td>
<td>Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm): SAR</td>
<td>Nickel</td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<td>Magnesium</td>
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<td>DIC</td>
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<td>Bicarbonate</td>
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<td>Iron</td>
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<td>Total Phosphate</td>
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<td>TOC</td>
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<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 36-053-27 W4M**

**Well Number**: 01753

**Well Owner**: Simie, Daniel

**Drilling Contractor**: Rodco Drilling

<table>
<thead>
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<th>Elevation (AMSL) (m):</th>
<th>AEP:</th>
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<tr>
<td>587</td>
<td>613052</td>
<td>587</td>
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<table>
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<th>Licence No.:</th>
<th>Easting:</th>
<th>Northing:</th>
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<tr>
<td>76.59233</td>
<td>59939.82084</td>
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**Date Started**: 25 Sep 91

**Date Completed**: 26 Sep 91

---

### General:
- **Type of Work**: Test Hole-Abandoned
- **Drilling Method**: Rotary
- **Well Use**: Unknown
- **Completed Depth**: 76.2 m
- **Abandonment**: Cuttings 26 Sep 91

### Casings:
- **Type**:
- **Depth (m)**: Bottom (m):
- **OD (mm)**: Thickness (mm):
- **Seal Type**: from (m): to

### Liners:
- **Type**:
- **OD (mm)**: Thickness (mm):
- **Top (m)**: Bottom (m):
- **Perforated How**: from (m): to Size:
- **from (m): to Size:
- **from (m): to Size:

### Screen:
- **Material**: from (m): to Size:
- **OD (mm)**: from (m): to Size:

### Open Hole:
- **from (m): to**

### Pump:
- **Model**:
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

<table>
<thead>
<tr>
<th><strong>pH (pH unit)</strong></th>
<th><strong>COD</strong></th>
<th><strong>SAR</strong></th>
<th><strong>TDS</strong></th>
<th><strong>TKN</strong></th>
<th><strong>Nitrate</strong></th>
<th><strong>Strontium</strong></th>
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<tbody>
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<td>10.000</td>
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<th><strong>Potassium</strong></th>
<th><strong>Magnesium</strong></th>
<th><strong>Calcium</strong></th>
<th><strong>Manganese</strong></th>
<th><strong>Barium</strong></th>
<th><strong>Beryllium</strong></th>
<th><strong>Titanium</strong></th>
<th><strong>Iron</strong></th>
<th><strong>Cobalt</strong></th>
<th><strong>Iron</strong></th>
<th><strong>Nickel</strong></th>
<th><strong>Copper</strong></th>
<th><strong>Lead</strong></th>
<th><strong>Zinc</strong></th>
<th><strong>Cadmium</strong></th>
<th><strong>Chromium</strong></th>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Electric Log**: No
**Transmissivity**: 80 m²/day
**Gamma Log**: No
**Storativity**: 1000 H
**Aquifer Test**: No
**Project**: Database: 1.000H
**AEP Data**: Yes
**Well Field Verified**: No

---

Chemical Constituents are in mg/l (ppm). Except as noted.
### NW 36-053-27 W4M

**Well Number:** 01755

**Well Owner:** Dollman, Richard

**Drilling Contractor:** Dollman’S Water Well Drilling

**Elevation (AMSL) (m):** 692

**AEP:** 150196

**Licence No.:** Easting: 75,401.34

**Date Started:** Northing: 5,939,747.00

**Date Completed:**

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<thead>
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<th>Depth (m)</th>
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<th>Lithologic Description</th>
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<td>41.2</td>
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<td>48.8</td>
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<td>95.4</td>
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</tr>
<tr>
<td>105.2</td>
<td>586.9</td>
<td>Shale &amp; Coal Gray</td>
</tr>
</tbody>
</table>

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Concentration (mg/l (ppm))</th>
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</thead>
<tbody>
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<td>pH (pH unit)</td>
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<tr>
<td>COD</td>
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<td>SAR</td>
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<td>Calcium</td>
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<td>Magnesium</td>
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<td>DIC</td>
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<td>Bicarbonate</td>
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<td>Arsenic</td>
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<td>Total Hardness</td>
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<td>Beryllium</td>
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<td>Fluoride</td>
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<td>Amm. Nitrogen</td>
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<td>TOC</td>
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<td>Copper</td>
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<tr>
<td>Total Alkalinity</td>
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<td>Silica</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number: 01756**

**Well Owner:** Meridian Sport Park  
**Drilling Contractor:** Cobob Pumps And Services Ltd.  
**Elevation (AMSL) (m):** 696  
**AEP:** 167894  
**Licence No.:** Easting: 66,586.63  
**Date Started:** 14 Jul 92  
**No:** Northing: 5,932,241.50  
**Date Completed:** 24 Jul 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 109.1 m  
- **NPWL (m):** 6.4  
- **Abandonment:**
  - **Casing:**  
    - **Type:** Plastic  
    - **Depth (m):** 44.2  
    - **OD (mm):** 152.4  
    - **Seal Type:** Driven & Bentonite  
      - from (m): 42.7 to 45.1  
- **Liner:**  
  - **Type:**  
    - **OD (mm):** 114.3  
    - **Top (m):** 42.7  
    - **Bottom (m):** 109.1  
  - **Perforated How:** Saw  
    - from (m): 90.8 to 109.1  
- **Screen:**  
  - **Material:**  
    - **OD (mm):**  
      - from (m): to  
      - from (m): to  
- **Open Hole:**  
  - **from (m):** to  
- **Pump:**  
  - **Model:**  
  - **Intake (m):** 90.8  
  - **Rate (lpm):** 11.4  
  - **Time (minute):** 180.0  
  - **Level End (m):** 90.8  
  - **Drawdown (m):** 84.4  
  - **Rec’d Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **COD:**  
- **SAR:**  
- **Nitrate:**  
- **Selenium:**  
- **Nickel:**  
- **Strontium:**  
- **Molybdenum:**  
- **Vanadium:**  
- **Zinc:**  
- **Hydroxide:**  
- **Total Hardness:**  
- **Manganese:**  
- **Phosphate:**  
- **Iron:**  
- **Copper:**  
- **Lead:**  
- **Nitrate & Nitrite:**  

Chemical Constituents are in mg/l (ppm). Except as noted.

### Testing:
- **Electric Log:** No  
- **Gamma Log:** No  
- **Aquifer Test:** No  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Lithologic Description:
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  
  - **Casing:**  
    - **Type:** Plastic  
    - **OD (mm):** 152.4  
    - **Thickness (mm):** 0.1  
    - **Seal Type:** Driven & Bentonite  
      - from (m): 42.7 to 45.1  
- **Liner:**  
  - **Type:**  
    - **OD (mm):** 114.3  
    - **Top (m):** 42.7  
    - **Bottom (m):** 109.1  
  - **Perforated How:** Saw  
    - from (m): 90.8 to 109.1
- **Screen:**  
  - **Material:**  
    - **OD (mm):**  
      - from (m): to  
      - from (m): to  
- **Open Hole:**  
  - **from (m):** to  
- **Pump:**  
  - **Model:**  
  - **Intake (m):** 90.8  
  - **Rate (lpm):** 11.4  
  - **Time (minute):** 180.0  
  - **Level End (m):** 90.8  
  - **Drawdown (m):** 84.4  
  - **Rec’d Rate (lpm):** 9.1

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Notices:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number 01757

Well Owner: Alberta Wheat Pool
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 (m)
- **NPWL (m):** 2.4
  - **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 37.8
  - **Bottom (m):** 37.8
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm): from (m): to
  - Top (m): Bottom (m):
- **Perforated How:** from (m): to
  - Size:

**Screen:**
- **Material:** St
- **OD (mm):** 7.5
  - from (m): to 37.8
  - Size: 39.3
  - Size: 0.01

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** 136.8
  - **Time (minute):** 120.0
- **Level End (m):** 35.0
  - **Drawdown (m):** 32.6

**Laboratory:**
- **pH (pH unit):** COD
  - **SAR:** Mercury
- **Cond. (µS/cm):** TDS
  - **TKN:** Selenium
- **Sodium:** Nitrate
  - **Strontium:** Molybdenum
- **Potassium:** Nitrile
- **Calcium:** TN
  - **Vanadium:**
- **Magnesium:** TC
  - **Zinc:**
- **Carbonate:** DIC
  - **Hydroxide:**
- **Bicarbonate:** Arsenic
  - **Total Hardness:**
- **Aluminum:** Barium
  - **Manganese:**
- **Barium:** Sulphate
  - **Beryllium:** Phosphate
- **Sulphate:** Chloride
  - **Cadmium:** Ion Balance
- **Chloride:** Fluoride
  - **Chromium:** Amm. Nitrogen
- **Iron:** Cobalt
  - **Total Phosphate:**
- **Copper:** TOC
  - **Total Alkalinity:**
- **TOC:** Silica
  - **Lead:** Nitrate
  - **Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 93.0 m
- **NPWL (m):** Verified NPWL (m): 26 Apr 74
- **Abandonment:** Unknown

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.2</td>
<td>693.3</td>
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<td>13.7</td>
<td>684.7</td>
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<td>26.5</td>
<td>671.9</td>
<td>Sand Lacustrine Light Gray</td>
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<tr>
<td>93.0</td>
<td>606.5</td>
<td>Siltstone Dark Gray</td>
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</table>

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Trace Metals:**
- **TOC:**
- **Silica:**

### Water Well Positioned by PFRA in 10TM NAD 27
**NE 13-053-28 W4M**

**Well Owner:** Goerz, Glenn  
**Drilling Contractor:** D&D Water Well Drilling & Services

| Elevation (AMSL) (m): 699 | AEP: 154846 | Licence No.: 05 Dec 90 | Easting: 67,172.09 | Northing: 5,934,717.50 | Date Completed: 07 Dec 90 |

**Depth Elevation**  
**BGL** (AMSL)  
(m)  
(m)  
**Lithologic Description**  
4.3 694.7 Clay Yellow  
23.2 675.8 Clay Blue  
29.6 669.4 Sand  
32.3 666.7 Sandstone  
41.8 657.2 Shale Green  
43.3 655.7 Sandstone  
48.2 650.8 Shale Gray  
49.4 649.6 Sandstone  
57.6 641.4 Shale Gray  
64.3 634.7 Shale Green  
75.0 624.0 Sandstone  
75.6 623.4 Shale & Coal Brown  
83.2 615.8 Shale Green  
88.7 610.3 Sandstone  
93.9 605.1 Shale Gray  
99.4 599.6 Sandstone  
103.6 595.4 Shale Gray

**General:**  
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 103.6 m  
NPWL (m): .6  
Verified NPWL (m):  
Abandonment:  

**Casing:**  
Type: Plastic  
Depth (m): 36.9  
Bottom (m): 36.9  
OD (mm): 152.4  
Thickness (mm): 0.1  
Seal Type: Shale Trap & Bentonite  
from (m): to 36.9

**Liner:**  
Type:  
OD (mm): 114.3  
Thickness (mm): 0.1  
Top (m): 36.0  
Bottom (m): 103.6  
Perforated How: Other  
from (m): to 103.6  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Screen:**  
Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Open Hole:**  
from (m): to  

**Pump:**  
Model:  
Intake (m):  
Rate (lpm): 22.8  
Time (minute): 240.0  
Level End (m): 67.1  
Drawdown (m): 66.4  
Rec'd intake (m):  
Rec'd Rate (lpm):  

**Laboratory:**  
PH (pH unit): COD  
Cond. (µS/cm): SAR  
TDS: TKN  
Sodium: Nitrate  
Potassium: Nitrite  
Calcium: TN  
Magnesium: TC  
Carbonate: DIC  
Bicarbonate: Arsenic  
Aluminum: Barium  
Sulphate: Beryllium  
Chloride: Cadmium  
Fluoride: Chromium  
Iron: Cobalt  
TOC: Copper  
Silica: Lead  
CODpH (pH unit): Mercury  
SAR Nickel  
TKN Selenium  
Nitrate Strontium  
Molybdenum Sodium  
Nitrite Molybdenum  
Vanadium Zinc  
TC Bicarbonate  
DIC Hydroxide  
Arsenic Total Hardness  
Barium Manganese  
Beryllium Phosphate  
Cadmium Ion Balance  
Chromium Amm. Nitrogen  
Cobalt Total Phosphate  
Copper Total Alkalinity  
Lead Nitrate&Nitrite N  

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 61.0 m
- **NPWL (m):** Verified NPWL (m): Unknown
- **Abandonment:** Unknown

**Casing:**

- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type: from (m): to

**Liner:**

- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How: from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- Model: Intake (m):

**Testing:**

- Rate (lpm): Time (minute):
  - Level End (m): Drawdown (m):
  - Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**

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<th>Value</th>
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<td>Total Alkalinity</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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Chemical Constituents are in mg/l (ppm) except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<td>711.0</td>
<td>Sand Light Brown</td>
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<tr>
<td>15.2</td>
<td>701.9</td>
<td>Clay Lacustrine Dark Gray</td>
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<td>19.8</td>
<td>697.3</td>
<td>Sand Lacustrine Light Brown</td>
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<td>24.4</td>
<td>692.7</td>
<td>Silt Lacustrine Dark Brown</td>
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<tr>
<td>32.0</td>
<td>685.1</td>
<td>Sand Lacustrine Light Brown</td>
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<td>35.0</td>
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<td>39.6</td>
<td>677.5</td>
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<td>49.4</td>
<td>667.7</td>
<td>Silt Lacustrine Dark Brown</td>
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<td>58.5</td>
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<td>Siltstone Gray</td>
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<tr>
<td>61.0</td>
<td>656.2</td>
<td>Sandstone Bentonitic Light Gray</td>
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**Additional Information:**

- Electric Log: Yes
- Transmissivity: m²/day
- Gamma Log: No
- Storativity: |
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No
 SE 24-053-28 W4M

Well Owner: Webber, Murray
Drilling Contractor: Marwayne Water Well Drilling Services Lt

Elevation (AMSL) (m): 699
AEP: 166366
Licence No.: Easting: 67,221.04
Date Started: 04 May 92 Northing: 5,935,853.00
Date Completed: 05 May 92

### General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 76.2 (m)
- NPWL (m): 4.0
- Abandonment:

### Casing:
- Type: Plastic
- Depth (m): 57.0
- Bottom (m): 57.0
- OD (mm): 152.4
- Thickness (mm): 0.2
- Seal Type: Shale Trap & Bentonite
- from (m): 57.0

### Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 56.4
- Bottom (m): 76.2
- Perforated How: Saw
- from (m): 64.6
to 76.2
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

### Screen:
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

### Open Hole:
- from (m): to

### Pump:
- Model:
- Intake (m): 64.0
- Rate (lpm): 18.2
- Time (minute): 420.0
- Level End (m): 50.3
- Drawdown (m): 46.3
- Rec'd Rate (lpm): 54.9
- Rec'd intake (m): 18.2

### Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silicona
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Arsenic
- Barium
- Manganese
- Beryllium
- Phosphate
- Cadmium
- Amm. Nitrogen
- Cobalt
- Copper
- Lead
- Phosphate
- Ion Balance
- Total Hardness
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrates

### Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NE 25-053-28 W4M**

**Well Owner:** Becker, D.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Well Number:** 01762

**Elevation (AMSL) (m):** 737

**AEP:** 152431

**Licence No.:** Easting: 66,511.44

**Date Started:** 15 Jun 90

**Date Completed:** 19 Jun 90

**Norting:** 5,936,244.00

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 45.7  
- **Bottom (m):** 45.7
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 42.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1
- **Top (m):** 42.7
- **Bottom (m):** 79.2
- **Perforated How:** Machine
- **from (m):** to 79.2

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
- **from (m):**

**Pump:**
- **Sub**
- **Model:** Gould
- **Intake (m):** 64.0

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 240.0
- **Level End (m):** 64.0
- **Drawdown (m):** 42.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 27.4

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Bird, Glen
Drilling Contractor: Iws Drilling Alberta Ltd.

Well Number: 01763

Elevation (AMSL) (m): 736
AEP: 150197
Licence No.: Easting: 66,787.35
Date Started: 03 Mar 90
Northing: 5,938,194.00
Date Completed: 07 Mar 90

**General:**
- Type of Work: New Well
- Drilling Method: Combination
- Well Use: Domestic
- Completed Depth: 57.9 (m)
- NPWL (m): 13.7
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Steel
- Depth (m): 38.4
- Bottom (m): 38.4
- OD (mm): 142.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): 38.4
to

**Liner:**
- Type:
- OD (mm): 116.8
- Thickness (mm): 0.1
- Top (m): 35.7
- Bottom (m): 57.9

**Perforated How:** Torch
- from (m): 48.8
to 57.9
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to
- from (m): to

**Open Hole:**
- from (m): to

**Pump:** Sub
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): 36.5
- Time (minute): 320.0
- Level End (m): 16.8
- Rec'd intake (m):
- Rec'd Rate (lpm): 36.5

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
NE 25-053-28 W4M

Well Owner: Brook West Const
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Well Number: 01764
Elevation (AMSL) (m): 735
AEP: 242336
Licence No.: 66,976.75
Date Started: 27 Sep 94
Easting: 5,936,036.00
Date Completed: 03 Oct 94
Northing:

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 61.0 (m)
- NPWL (m): 19.5
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 36.9
- Bottom (m): 36.9
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Driven & Shale Trap
- from (m): to 36.9

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 36.3
- Bottom (m): 61.0
- Perforated How: Machine
- from (m): to 45.7
- to 48.8
- Size:
- from (m): to 54.9
- to 61.0
- Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 45.7

Testing:
- Rate (lpm): 27.4
- Time (minute): 120.0
- Level End (m): 23.5
- Drawdown (m): 3.7
- Rec'd intake (m):
- Rec'd Rate (lpm): 27.4

Laboratory:
- pH (pH unit):
- COD
- Mercury
- Cond. (µS/cm): SAR
- Nickel
- TDS: TKN
- Selenium
- Sodium: Nitrate
- Strontium
- Potassium: Nitrite
- Molybdenum
- Calcium: TN
- Vanadium
- Magnesium: TC
- Zinc
- Carbonate: DIC
- Hydroxide
- Bicarbonate: Arsenic
- Total Hardness
- Aluminium: Barium
- Manganese
- Sulphate: Beryllium
- Phosphate
- Chloride: Cadmium
- Ion Balance
- Fluoride: Chromium
- Amm. Nitrogen
- Iron: Cobalt
- Total Phosphate
- TOC: Copper
- Total Alkalinity
- Silica: Lead
- Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
## NE 25-053-28 W4M

**Well Owner:** Parent, Walter  
**Drilling Contractor:** D&D Water Well Drilling & Services  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 67.1 m  
- **NPWL (m):** 21.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 43.9  
- **Bottom (m):** 43.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 43.9  

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 42.7  
- **Bottom (m):** 67.1  
- **Perforated How:** Other  
- **from (m):** to 64.0  
- **Size:**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
- **OD (mm):**  
- **OD (mm):**  
- **Size:**  
- **Size:**  
- **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** 36.5  
- **Time (minute):** 180.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 21.3  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Selenium:**  
- **Potassium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **No**  

### Gamma Log:
- **No**  

### Aquifer Test:
- **No**  

### Water Well Positioned by PFRA in 10TM NAD 27
**NE 25-053-28 W4M**

**Well Number:** 01767

**Well Owner:** Poole, Mel

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 739

**AEP:** 241866

**Licence No.:** Easting: 66,620.16

**Date Started:** 07 Sep 94

**Norting:** 5,938,520.00

**Date Completed:** 12 Sep 94

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<td>Drilling Method:</td>
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<td>Well Use:</td>
<td>Domestic</td>
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</table>

**Completed Depth:** 97.5 (m)

**NPWL (m):** 27.1

**Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 61.0
- **Bottom (m):** 61.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite

**from (m):** 57.9 to 61.0

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1

**Top (m):** 57.9

**Bottom (m):** 97.5

**Perforated How:** Saw

**from (m):** 70.1 to 82.3

**from (m):** 84.4 to 94.5

**from (m):** to

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

**Open Hole:**

- **from (m):**

**Pump:** Sub

- **Model:** Gould
- **Intake (m):** 54.9

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 54.9
- **Drawdown (m):** 27.7
- **Rec’d Rate (lpm):** 64.0
- **Rec’d intake (m):** 209.8

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No
**Transmissivity:** \( \text{m}^2/\text{day} \)

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No
### NE 25-053-28 W4M

**Well Owner:** Runtas, Vid/Gordina  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

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<td>Date Completed:</td>
<td>20 Sep 94</td>
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| Well Number | 01768 |

#### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 30.0
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 58.5  
  **Bottom (m):** 58.5
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.2
- **Seal Type:** Bentonite Chips/Tablet
- **from (m):** to 58.5

#### Liner:
- **Type:**
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 57.9  
  **Bottom (m):** 73.2
- **Perforated How:** Saw
- **from (m):** to 61.0  
  **Size:**
- **from (m):** to 70.1  
  **Size:**
- **from (m):** to 73.2  
  **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 27.4  
  **Time (minute):** 120.0
- **Level End (m):** 35.7  
  **Drawdown (m):** 5.5
- **Rec’d intake (m):** 39.9  
  **Rec’d Rate (lpm):** 31.9

#### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Sodium:**
- **Selenium:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Phosphate:**
- **Beryllium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

#### Remarks:
*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 25-053-28 W4M**

Well Owner: **Schenard, Andy**
Drilling Contractor: **Summer'S Drilling Ltd.**

<table>
<thead>
<tr>
<th><strong>General:</strong></th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
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<tr>
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<td><strong>Verified NPWL (m):</strong></td>
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<tr>
<td><strong>Casing:</strong></td>
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<tr>
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<tr>
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<tr>
<td><strong>OD (mm):</strong> 127.0</td>
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<tr>
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<table>
<thead>
<tr>
<th><strong>Liner:</strong></th>
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<tr>
<td><strong>OD (mm):</strong></td>
</tr>
<tr>
<td><strong>Thickness (mm):</strong></td>
</tr>
<tr>
<td><strong>Top (m):</strong></td>
</tr>
<tr>
<td><strong>Perforated How:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
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<tr>
<td><strong>from (m):</strong> to</td>
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<tr>
<td><strong>from (m):</strong> to</td>
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<table>
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<tr>
<th><strong>Screen:</strong></th>
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<tr>
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<tr>
<td><strong>OD (mm):</strong> 1.2</td>
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<td><strong>from (m):</strong> to</td>
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<table>
<thead>
<tr>
<th><strong>Open Hole:</strong></th>
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<tr>
<td><strong>from (m):</strong> to</td>
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<th><strong>Pump:</strong> Sub</th>
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<tr>
<td><strong>Model:</strong> Jacuzzi</td>
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<tr>
<td><strong>Intake (m):</strong> 19.8</td>
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<td><strong>Level End (m):</strong> 19.8</td>
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<td><strong>Rec'd intake (m):</strong> 22.9</td>
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<td><strong>Cond. (µS/cm):</strong> TKN</td>
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<td><strong>TDS:</strong> Nitrate</td>
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<tr>
<td><strong>Sodium:</strong> Nitrite</td>
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<tr>
<td><strong>Potassium:</strong> TN</td>
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<tr>
<td><strong>Calcium:</strong> TC</td>
</tr>
<tr>
<td><strong>Magnesium:</strong> DIC</td>
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<td><strong>Carbonate:</strong> Arsenic</td>
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<tr>
<td><strong>Bicarbonate:</strong> Barium</td>
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<td><strong>Aluminium:</strong> Beryllium</td>
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<td><strong>Sulphate:</strong> Cadmium</td>
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<td><strong>Chloride:</strong> Chromium</td>
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<td><strong>Fluoride:</strong> Cobalt</td>
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<tr>
<td><strong>Iron:</strong> Copper</td>
</tr>
<tr>
<td><strong>TOC:</strong> Lead</td>
</tr>
<tr>
<td><strong>Silica:</strong></td>
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**Electric Log:** No | **Transmissivity:** m²/day | **Gamma Log:** No | **Storativity:** |
| **Aquifer Test:** No | **Iron:** Cobalt | **Total Phosphate:** Iron |
| **TOC:** Copper | **Total Alkalinity:** TOC |
| **Silica:** Lead | **Nitrates & Nitrites:** Silica |
| **Chemical Constituents are in mg/l (ppm). Except as noted.** |

**Project:** 1.000H | **Database:** AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## Well Details

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>Type of Work: <strong>New Well</strong></td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<tr>
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<td>Abandonment:</td>
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<tr>
<td><strong>Casing:</strong></td>
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<td>Type: <strong>Steel</strong></td>
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<td>Seal Type: <strong>Driven</strong></td>
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<td><strong>Liner:</strong></td>
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<tr>
<td>Type:</td>
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<td>Perforated How: <strong>Hand Drill</strong></td>
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<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td><strong>Screen:</strong></td>
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<td>OD (mm):</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>Open Hole:</td>
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<td>from (m): to</td>
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<td><strong>Pump:</strong></td>
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<td>Rec'd Rate (lpm): <strong>13.7</strong></td>
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<td>Nickel</td>
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<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
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<td>Chloride</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
<td></td>
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<tr>
<td><strong>Remarks:</strong></td>
<td></td>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
</tr>
</tbody>
</table>

| Elevation (AMSL) (m): **733** | AEP: **221200** |
| Licence No.: | Easting: **66,873.87** |
| Date Started: **25 Jun 93** | Northing: **5,936,012.50** |
| Date Completed: **26 Jun 93** | |
**NE 25-053-28 W4M**

**Well Number:** 01771

**Well Owner:** Stobbe, Paul

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 735

**AEP:** 221199

**Licence No.:** Easting: 66,976.75

**Date Started:** 08 Jun 93

**No.** Northing: 5,936,036.10

**Date Completed:** 09 Jun 93

---

### General:

- **Type of Work:** New Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 140.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Bentonite Product 09 Jun 93

### Casing:

- **Type:** Steel
- **Depth (m):**
  - **64.0** Bottom (m): **64.0**
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 63.7 to **64.0**

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:

- **from (m):** to **

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):** **4.6**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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<td>Nitrate &amp; Nitrite N</td>
<td>mg/l</td>
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### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
NE 25-053-28 W4M
Well Number 01772

Well Owner: Sullivan, Trent
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 726
AEP: 186522
Licence No.: 25-053-28 W4M
Date Started: 17 Feb 93
Easting: 66,634.20
Date Completed: 17 Feb 93
Northing: 5,937,987.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 97.5 (m)
NPWL (m): 48.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 61.0 Bottom (m): 61.0
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): 59.7 to 61.0

Liner:
Type: 
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 57.9 Bottom (m): 97.5
Perforated How: Hand Drill
from (m): 74.7 to 97.5 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 97.5

Testing:
Rate (lpm): 16.0 Time (minute): 180.0
Level End (m): 67.1 Drawdown (m): 18.3
Rec’d intake (m): 70.1 Rec’d Rate (lpm): 13.7

Laboratory:

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>Phosphate</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NE 25-053-28 W4M**

**Well Owner:** Utri, Marvin/Debbie  
**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 727  
**AEP:** 260134  
**Licence No.:** 66,554.54  
**Date Started:** 25 Jul 95  
**Easting:** 6,938,035.00  
**Date Completed:** 05 Aug 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

### Casing:
- **Type:** Plastic  
- **Depth (m):** 57.9  
- **Bottom (m):** 57.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 57.9

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 54.9  
- **Bottom (m):** 88.4

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **to (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** 5g07  
- **Intake (m):** 88.4

### Testing:
- **Rate (lpm):** 13.7  
- **Time (minute):** 120.0  
- **Level End (m):** 88.4  
- **Drawdown (m):** 63.1  
- **Rec'd Rate (lpm):** 9.1  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **SAR (µS/cm):**  
- **TDS (mg/l):**  
- **Sodium (mg/l):**  
- **Potassium (mg/l):**  
- **Calcium (mg/l):**  
- **Magnesium (mg/l):**  
- **Carbonate (mg/l):**  
- **Bicarbonate (mg/l):**  
- **Barium (mg/l):**  
- **Aluminium (mg/l):**  
- **Sulphate (mg/l):**  
- **Chloride (mg/l):**  
- **Fluoride (mg/l):**  
- **Iron (mg/l):**  
- **Total Organic Carbon (mg/l):**  
- **Total Alkalinity (mg/l):**  
- **Lead (mg/l):**  
- **Silica (mg/l):**  
- **Chromium (mg/l):**  
- **Cobalt (mg/l):**  
- **Copper (mg/l):**  
- **Nickel (mg/l):**  
- **Selenium (mg/l):**  
- **Strontium (mg/l):**  
- **Sodium (mg/l):**  
- **Nitrate (mg/l):**  
- **Molybdenum (mg/l):**  
- **Potassium (mg/l):**  
- **Vanadium (mg/l):**  
- **Zinc (mg/l):**  
- **Radioactivity (µS):**  
- **Transmissivity:**
- **Storativity:**
- **Aquifer Test:**
- **Year:**
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 25-053-28 W4M**

*Well Owner: Williams, Bruce*

*Drilling Contractor: Cobob Pumps And Services Ltd.*

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 29.3
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 55.5
  - **Bottom (m):** 55.5
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 53.0
  - **to:** 54.3

**Liner:**
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 51.8
- **Bottom (m):** 73.2
- **Perforated How:** Saw
  - **from (m):** 61.0
  - **to:** 70.1
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Gould 5g05422
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 420.0
- **Level End (m):** 48.8
- **Drawdown (m):** 19.5
- **Rec'd intake (m):** 60.4
- **Rec'd Rate (lpm):** 22.8

---

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Barium:**
- **Arsenic:**
- **Boron:**
- **Chromium:**
- **Manganese:**
- **Molybdenum:**
- **Titanium:**
- **Vanadium:**
- **Zinc:**
- **TC:**
- **DIC:**
- **CO₂:**
- **Total Hardness:**
- **Magnesium:**
- **Calcium:**
- **Manganese:**
- **Phosphorus:**
- **Nitrate:**
- **Phosphate:**
- **Iron:**
- **Total Phosphate:**
- **Pb:**
- **Cu:**
- **Zn:**
- **Cd:**
- **Mn:**
- **Ni:**
- **Co:**
- **Mo:**
- **Sb:**
- **S:**
- **Total Alkalinity:**
- **Total Alkalinity:**
- **HCO₃:**
- **H₂SO₄:**
- **S:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
<table>
<thead>
<tr>
<th>Well Number: 01775</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Owner: Blue J Farms/Merrill Jesperson</td>
</tr>
<tr>
<td>Drilling Contractor: Mcginn, Gerald Drilling Ltd.</td>
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<tr>
<td>Elevation (AMSL) (m): 720</td>
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<tr>
<td>AEP: 150967</td>
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<tr>
<td>Licence No.: Easting: 66,887.95</td>
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<tr>
<td>Date Started: 21 Mar 90</td>
</tr>
<tr>
<td>Northing: 5,937,157.50</td>
</tr>
<tr>
<td>Date Completed: 21 Mar 90</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 41.5 (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 36.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.0
- **Seal Type:**
  - **from (m):**
  - **to:**

### Liner:
- **Type:**
  - **OD (mm):**
    - **Top (m):**
    - **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
  - **from (m):**
  - **to:** 38.1
  - **Size:** 0.01
- **Open Hole:**
  - **from (m):**
  - **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 91.2
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
  - **COD:**
  - **SAR:**
  - **TKN:**
  - **Nitrate:**
  - **Selenium:**
  - **Mercury:**
  - **Strontium:**
  - **Sodium:**
  - **Nitrite:**
  - **Molybdenum:**
  - **Potassium:**
  - **Vanadium:**
  - **Hydroxide:**
  - **Total Hardness:**
  - **Manganese:**
  - **Phosphorus:**
  - **Sulphate:**
  - **Phosphate:**
  - **Cadmium:**
  - **Nitrates:**
  - **Amm. Nitrogen:**
  - **Copper:**
  - **Total Alkalinity:**
  - **Lead:**
  - **Nitrates:**
  - **Iron:**
  - **TOC:**
  - **Silica:**

### Depth Elevation:

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>7.6</td>
<td>712.6</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>9.1</td>
<td>711.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>11.6</td>
<td>708.7</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>27.1</td>
<td>693.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>39.6</td>
<td>680.6</td>
<td>Sand</td>
</tr>
<tr>
<td>41.5</td>
<td>678.8</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 60.4 (m)
- **NPWL (m):** 17.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 39.9
- **Bottom (m):** 39.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
  - from (m): 39.6
  - to:

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thicknness (mm):** 0.1
- **Top (m):** 38.1
- **Bottom (m):** 60.4
- **Perforated How:** Machine
  - from (m): 54.3
to 60.4
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Open Hole:
- **from (m):**
- **to:

### Pump:
- **Model:**
- **Intake (m):** 45.7

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 5.5
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 27.4

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Sulfate:**
- **Chloride:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminum:**
- **Arsenic:**
- **Beryllium:**
- **Chromium:**
- **Cadium:**
- **Manganese:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Bromide:**
- **Sulfate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 15.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 36.6

**Liner:**

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 35.0
- **Bottom (m):** 72.2
- **Perforated How:** Saw
- **from (m):** to 72.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:** Sub

- **Model:**
- **Intake (m):** 63.4
- **Rate (lpm):** 11.4
- **Time (minute):** 120.0
- **Level End (m):** 51.8
- **Drawdown (m):** 36.0
- **Rec’d intake (m):** 63.4
- **Rec’d Rate (lpm):** 9.1

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Nitrate:**
- **Molybdenum:**
- **Sodium:**
- **Sodium:**
- **Calcium:**
- **Nitrate:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iodine Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.3</td>
<td>743.0 Clay &amp; Rocks Sandy Yellow</td>
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<tr>
<td>27.4</td>
<td>722.9 Clay Hard Blue</td>
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<tr>
<td>30.8</td>
<td>719.5 Sand Fine Grained</td>
</tr>
<tr>
<td>32.0</td>
<td>718.3 Clay &amp; Sand Blue</td>
</tr>
<tr>
<td>36.3</td>
<td>714.0 Shale Gray</td>
</tr>
<tr>
<td>36.6</td>
<td>713.7 Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>43.9</td>
<td>706.4 Shale Gray</td>
</tr>
<tr>
<td>44.8</td>
<td>705.5 Shale Green</td>
</tr>
<tr>
<td>45.7</td>
<td>704.6 Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>47.2</td>
<td>703.0 Shale Gray</td>
</tr>
<tr>
<td>52.7</td>
<td>697.6 Shale Sandy Gray</td>
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<td>54.0</td>
<td>696.3 Shale Light Brown</td>
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<td>56.4</td>
<td>693.9 Shale Gray</td>
</tr>
<tr>
<td>58.8</td>
<td>691.5 Sand Gray</td>
</tr>
<tr>
<td>59.4</td>
<td>690.9 Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>60.4</td>
<td>689.9 Shale Gray</td>
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<tr>
<td>69.5</td>
<td>680.8 Shale Sandy Gray</td>
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<td>70.1</td>
<td>680.2 Shale Gray</td>
</tr>
<tr>
<td>73.2</td>
<td>677.1 Shale Green</td>
</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

### Completed Depth:
- **NPWL (m):** 33.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):

### Perforated How:
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
  - **OD (mm):** from (m): to **Size:**
  - **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
  - **Intake (m):**

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
  - **Material:**
  - **OD (mm):**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
  - **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number 01778**

- **Well Owner:** Imeson, Dean T.
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 750
- **AEP:** 156789
- **East: 66,907.63**
- **Northing:** 5,939,816.50
- **Date Started:**
- **Date Completed:**
## NE 36-053-28 W4M

**Well Owner:** Powley, Marvin  
**Drilling Contractor:** Rodco Drilling

<table>
<thead>
<tr>
<th>Well Number</th>
<th>01779</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m)</th>
<th>750</th>
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<tbody>
<tr>
<td>AEP:</td>
<td>16333</td>
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<tr>
<td>Licence No.:</td>
<td>66,907.63</td>
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<td>Date Started:</td>
<td>26 Nov 91</td>
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<td>Northing:</td>
<td>5,939,816.50</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>30 Nov 91</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 68.6 (m)  
  **NPWL (m):** 18.9  
  **Verified NPWL (m):** |
- **Abandonment:** |

### Casing:
- **Type:** Plastic  
  **Depth (m):** 36.6  
  **Bottom (m):** 36.6  
  **OD (mm):** 152.4  
  **Thickness (mm):** 0.1  
  **Seal Type:** Driven  
  **from (m):** to 36.6

### Liner:
- **Type:** |
  **OD (mm):** 114.3  
  **Thickness (mm):** 0.1  
  **Top (m):** 33.5  
  **Bottom (m):** 68.6  
  **Perforated How:** Machine  
  **from (m):** to 68.6  
  **Size:** |

### Screen:
- **Material:** |
  **OD (mm):** |
  **from (m):** to Size: |
  **from (m):** to Size: |

### Open Hole:
- **from (m):** to |

### Pump:
- **Model:** |
  **Intake (m):** 61.0  
  **Rate (lpm):** 31.9  
  **Time (minute):** 120.0  
  **Level End (m):** 61.0  
  **Drawdown (m):** 42.1  
  **Rec'd intake (m):** |
  **Rec'd Rate (lpm):** |

### Laboratory:
- **pH (pH unit):** |
  **Cond. (µS/cm):** |
  **TDS:** |
  **Sodium:** |
  **Potassium:** |
  **Calcium:** |
  **Magnesium:** |
  **Carbone:** |
  **Bicarbonate:** |
  **Aluminum:** |
  **Sulphate:** |
  **Chloride:** |
  **Fluoride:** |
  **Iron:** |
  **TOC:** |
  **Silica:** |
  **Open Hole:** |
  **Constituents:** |
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Thompson, Wayne
Drilling Contractor: Unknown Driller

Well Number: 01780

Elevation (AMSL) (m): 750
Licence No.: 156791
Date Started: 5,939,816.50
Date Completed: 1.000H

General:
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic

Completed Depth (m):
- NPWL (m):
- Verified NPWL (m):

Abandonment:

Casing:
- Type:
- Depth (m):
- Bottom (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m):
- to:

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):

Perforated How:
- from (m):
- to:
- Size:
- from (m):
- to:
- Size:
- from (m):
- to:
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to:
- Size:
- from (m):
- to:
- Size:

Open Hole:
- from (m):
- to:

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:

- COD:
- SAR:
- TKN:
- Nitrate:
- Nitrite:
- Arsenic:
- Barium:
- Beryllium:
- Cadmium:
- Chromium:
- Cobalt:
- Copper:
- Lead:

- Mercury:
- Nickel:
- Selenium:
- Molybdenum:
- Vanadium:
- Zinc:
- Hydroxide:
- Total Hardness:
- Manganese:
- Phosphate:
- Ion Balance:
- Amm. Nitrogen:
- Total Phosphate:
- Total Alkalinity:
- Nitrate:
- Nitrite:
- Lead:
- Nitrates:

- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)

Database: Project: 1.000H

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
AEP Data: Yes Well Field Verified: No
**Well Number: 01781**

**NE 36-053-28 W4M**

**Well Owner:** Wittmeier, Terry

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 747  
**AEP:** 167417

**Date Started:** 04 Aug 92  
**Date Completed:** 06 Aug 92

**licence No.:** Easting: 67,067.88  
**Northing:** 5,939,569.00

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 64.0 (m)

**NPWL (m):** 13.7  
**Verified NPWL (m):**

**Abandonment:**

---

**Casing:**

- **Type:** Plastic

**Depth (m):** 50.3  
**Bottom (m):** 50.3

**OD (mm):** 152.4  
**Thickness (mm):** 0.1

**Seal Type:** Driven & Formation P

**from (m):** to 50.3

---

**Liner:**

- **Type:**

**OD (mm):** 127.0  
**Thickness (mm):** 0.1

**Top (m):** 46.3  
**Bottom (m):** 63.1

**Perforated How:** Machine

**from (m):** 46.3 to 63.1  
**Size:**

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

---

**Screen:**

- **Material:**

**OD (mm):**

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

**Open Hole:**

**from (m):** to

---

**Pump:**

- **Model:**

**Intake (m):**

**Testing:**

- **Rate (lpm):** 13.7  
**Time (minute):** 420.0

**Level End (m):** 45.7  
**Depth (m):** 45.7  
**Drawdown (m):** 32.0

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

---

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**DIC** Hydroxide

**Arsenic** Total Hardness

**Beryllium** Phosphate

**Cadmium** Ion Balance

**Chromium** Amm. Nitrogen

**Cobalt** Total Phosphate

**Copper** Total Alkalinity

**Lead** Nitrate & Nitrite N

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Project:** Database: 1.00H

**AEP Data:** Yes  
**Well Field Verified:** No

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No

**Use:**

- **Water:**

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**SE 36-053-28 W4M**

**Well Owner:** Franck, David  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** 01782  
**Elevation (AMSL) (m):** 744  
**AEP:** 198247  
**Licence No.:** 66.904.82  
**Date Started:** 28 Jan 93  
**Easting:** 66.904.82  
**Date Completed:** 03 Feb 93  
**Northing:** 5,939,321.50

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<thead>
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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
<td></td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 97.5 (m)</td>
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<td>Abandonment:</td>
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<tr>
<td>Casing:</td>
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<tr>
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<td>Seal Type: Formation Seal</td>
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<tr>
<td>from (m):</td>
<td>to 60.4</td>
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<td>Liner:</td>
<td>Type:</td>
<td></td>
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<tr>
<td>OD (mm): 127.0</td>
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<tr>
<td>Top (m): 57.0</td>
<td>Bottom (m): 96.6</td>
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<td>Perforated How: Saw</td>
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<td></td>
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<tr>
<td>from (m): 57.0</td>
<td>to 96.6</td>
<td>Size:</td>
</tr>
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<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Screen:</td>
<td>Material:</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td></td>
<td>from (m):</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Open Hole:</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Pump:</td>
<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<td>Testing:</td>
<td>Rate (lpm): 11.4</td>
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<td>Level End (m): 79.2</td>
<td>Drawdown (m): 57.9</td>
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<td>Rec’d intake (m): 79.2</td>
<td>Rec’d Rate (lpm): 9.1</td>
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</tbody>
</table>

**Laboratory:**

| pH (pH unit) | COD | Microwave |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Grant, Ken 153958735

66,632.41
09 Nov 90

D&D Water Well Drilling & Services

New Well
Rotary

Clay  Yellow

Shale  Gray

Clay  Blue

Shale  Greenish Gray

Plastic

Sandstone

Other

Water Well Positioned by PFRA in 10TM NAD 27

Well Owner: Grant, Ken
Drilling Contractor: D&D Water Well Drilling & Services

Well Number 01783
Elevation (AMSL) (m): 735
AEP: 153958
Licence No.: Easting: 66,632.41
Date Started: 09 Nov 90
Northing: 5,935,081.00
Date Completed: 10 Nov 90

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 73.2 (m)
NPWL (m): 13.7 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 52.7 Bottom (m): 52.7
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Welded Ring & Benton
from (m): to 52.7

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 51.8 Bottom (m): 73.2
Perforated How: Other
from (m): 57.9 to 70.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 18.2 Time (minute): 240.0
Level End (m): 54.9 Drawdown (m): 41.2
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrile N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
SE 36-053-28 W4M

Well Owner: Horrigon, Jim
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 738
AEP: 238072
Licence No.: Easting: 66,627.84
Date Started: 29 Nov 93
Notthing: 5,936,904.00
Date Completed: 02 Dec 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 91.4 (m)
NPWL (m): 22.9
Seal Type: Shale Trap & Bentonite
from (m): 47.6 to 49.1

Casing:
Type: Plastic
Depth (m): 50.9
Bottom (m): 50.9
OD (mm): 152.4
Thickness (mm): 0.1

Liner:
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 48.8
Bottom (m): 91.4

Screen:
Material: Plastic
OD (mm):
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 61.0
Testing:
Rate (lpm): 22.8
Time (minute): 120.0
Level End (m): 61.0
Drawdown (m): 38.1
Rec'd intake (m): 64.0
Rec'd Rate (lpm): 18.2

Lab:
COD
pH (pH unit)
SAR
Mercury
Selenium
Strontium
Nickel
Nitrilotriacetic Acid
Sodium
Nitrate
Barium
Manganese
Calcium
TN
Sulphate
Bromide
Molybdenum
Bicarbonate
Arsenic
Nitrite
Hydroxide
Carbonate
Beryllium
Hydroxide
Barium
Vanadium
Cadmium
Iron
Iron
Selenium
Lead
Fluoride
Strontium
Fluoride
Sodium
Sulphate
Beryllium
Nitrate
Chloride
Total Nitrate
Calcium
Methyl Blue
Magnesium
Hydroxide
Aluminium
Total Hardness
Calcium

total Hardness

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Remarks:
**SE 36-053-28 W4M**

**Well Owner:** Jansens, Sid/Maureen  
**Drilling Contractor:** Double R Dril

**Elevation (AMSL) (m):** 741  
**AEP:** 256377  
**Licence No.:** Easting: 66,870.48  
**Date Started:** 18 Mar 94  
**Nothing:** 5,939,074.00  
**Date Completed:** 27 Mar 94

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 80.8 (m)  
**NPWL (m):** 36.0  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic  
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0

**OD (mm):** 152.4  
**Thickness (mm):** 0.0

**Seal Type:** Driven & Shale Trap

**from (m):** to 61.0

### Casing:
- **Type:** Plastic
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1
- **Top (m):** 60.0  
- **Bottom (m):** 80.8

**Perforated How:** Machine

**from (m):** 60.0 to 67.1  
**Size:**
- **from (m):** to 67.1  
**Size:**

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 66.1

### Testing:
- **Rate (lpm):** 9.1  
- **Time (minute):** 300.0
- **Level End (m):** 71.6  
- **Drawdown (m):** 35.7
- **Rec'd rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Strontium:** Potassium
- **Potassium:** Nitrite  
- **Molybdenum:** Selenium
- **Calcium:** TN  
- **Vanadium:** Magnesium
- **Magnesium:** TC  
- **Zinc:** Carbonate
- **Hydroxide:** Bicarbonate
- **Arsenic:** Barium
- **Total Hardness:** Sulphate
- **Manganese:** Beryllium
- **Phosphate:** Chloride
- **Ion Balance:** Fluoride
- **Amm. Nitrogen:** Iron
- **Total Phosphate:** TOC
- **Total Alkalinity:** SiCl
- **Nitrte & Nitrate N:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmission:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**

### Project:
- **Database:** 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
SE 36-053-28 W4M

Well Owner: Kerswell, Kevin  
Drilling Contractor: Summers, David Drilling

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<th>Well Number</th>
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<tr>
<td>Elevation (AMSL (m)):</td>
<td>741</td>
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<tr>
<td>AEP:</td>
<td>169103</td>
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<td>Licence No.:</td>
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<td>Date Started:</td>
<td>16 Jun 92</td>
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<td>Date Completed:</td>
<td>18 Jun 92</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<tr>
<td>Licence No.:</td>
<td>Easting: 5,939,074.00</td>
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**Well Number** 01786

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 25.9
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 61.6
  - **Bottom (m):** 61.6
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.2
  - **Seal Type:** Shell Trap & Bentonite
    - **from (m):** 54.9
    - **to:** 61.0

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 54.9
  - **Bottom (m):** 73.2
- **Perforated How:** Saw
  - **from (m):** 68.6
  - **to:** 73.2
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):**
    - **to:**
    - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 54.9
- **Drawdown (m):** 29.0
- **Rec’d intake (m):** 67.1
- **Rec’d Rate (lpm):** 18.2

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Beryllium:** Selenium
- **Sulphate:** Molybdenum
- **Chloride:** Vanadium
- **Fluoride:** Zinc
- **Bicarbonate:** Hydroxide
- **Alkalinity:** Total Hardness
- **Iron:** Total Phosphate
- **TOC:** Copper
- **Silica:** Lead
- **Perforated:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log: No**
**Transmissivity:** m³/day
**Gamma Log: No**
**Storativity:**
**Aquifer Test: No**
**Project:** Database: 1.000H
**AEP Data: Yes**
**Well Field Verified: No**
SE 36-053-28 W4M

Well Number: 01787

Well Owner: Kosik, Tom
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 740
Licence No.: Easting: 67,067.35
Date Started: 31 Jul 90 Northing: 5,936,747.00
Date Completed: 02 Aug 90

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

Completed Depth: 65.5 (m)
- NPWL (m): 24.4 Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
  - Depth (m): 43.0 Bottom (m): 43.0
  - OD (mm): 152.4 Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
  - from (m): to 42.7

Liner:
- Type: 
  - OD (mm): 106.7 Thickness (mm): 0.1
  - Top (m): 39.6 Bottom (m): 65.5
- Perforated How: Machine
  - from (m): 51.8 to 65.5 Size:
  - from (m): to Size:
  - from (m): to Size:

Screen:
- Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:
  - Open Hole:
    - from (m): to

Pump:
- Model: Jacuzzi
  - Intake (m): 41.2

Testing:
- Rate (lpm): 22.8 Time (minute): 120.0
- Level End (m): 39.6 Drawdown (m): 15.2
- Rec'd Rate (lpm): 54.9 Rec'd intake (m): 22.8

Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- silica: Lead Nitrate&Nitrite N
  - Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

AEP Data: Yes Well Field Verified: No

Depth Elevation (BGL) (AMSL)

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
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<td>Sand</td>
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<td>735.3</td>
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<td>718.5</td>
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<td>Sand &amp; Gravel</td>
<td>33.5</td>
<td>706.3</td>
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<tr>
<td>Sand</td>
<td>36.6</td>
<td>703.3</td>
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<td>Shale Green</td>
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<td>Sand</td>
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</table>

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No

Database: 1.000H
Project: 
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 42.7
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 50.6
  - **Bottom (m):** 50.6
  - **OD (mm):** 152.4
  - **Thickness (mm):**
  - **Seal Type:** Shale Trap
  - **from (m):** 50.6 to 50.6
- **Liner:**
  - **Type:** Machine
  - **OD (mm):** 114.3
  - **Thickness (mm):**
  - **Top (m):** 50.6
  - **Bottom (m):** 81.4
- **Perforated How:** Machine
  - **from (m):** 50.6 to 81.4
  - **Size:**
  - **from (m):** to
  - **from (m):** to
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **from (m):** to
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Rate (lpm):** 11.4
  - **Time (minute):** 420.0
  - **Level End (m):** 70.1
  - **Drawdown (m):** 27.4
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) Lithologic Description**

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**Electric Log:** No  **Transmissivity:** m³/day
- **Gamma Log:** No  **Storativity:**
- **Aquifer Test:** No  **TOC:**
- **Screen:**
- **Open Hole:**
- **Pump:**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 115.8 (m)
- NPWL (m): 17.1
- Verified NPWL (m):

**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 67.1
- **Bottom (m):** 67.1
- **OD (mm):** 152.4
- **Thick (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 62.5 to 67.1

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thick (mm):** 0.1
- **Top (m):** 64.0
- **Bottom (m):** 115.8
- **Perforated How:** Machine
  - from (m): 73.2 to 85.3
  - Size:
  - from (m): 97.5 to 115.8
  - Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Gould 5g07422
- **Intake (m):** 88.4

**Testing:**
- **Rate (lpm):** 5.5
- **Time (minute):** 120.0
- **Level End (m):** 50.9
- **Drawdown (m):** 56.1
- **Rec’d intake (m):** 94.5
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

**Depth**

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**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 36-053-28 W4M**

**Well Number:** 01790

**Well Owner:** Miller, Rick

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 742  **AEP:** 164907

**Licence No.:** 66,886.51  **Date Started:** 16 Mar 92

**Easting:** 5,936,772.00  **Nothing:** 5,936,772.00

**Date Completed:** 19 Mar 92

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 97.5 (m)

**NPWL (m):** 30.2  **Verified NPWL (m):**

**Abandonment:**

---

### Casing:

- **Type:** Plastic

**Depth (m):** 57.9  **Bottom (m):** 57.9

**OD (mm):** 152.4  **Thickness (mm):** 0.2

**Seal Type:** Shale Trap & Bentonite

**from (m):** to 57.9

---

### Liner:

- **Type:**

**OD (mm):** 114.3  **Thickness (mm):** 0.1

**Top (m):** 57.6  **Bottom (m):** 97.5

**Perforated How:** Saw

**from (m):** 64.0 to 97.5  **Size:**

**from (m):** to  **Size:**

**from (m):** to  **Size:**

---

### Screen:

- **Material:**

**OD (mm):**

**from (m):** to  **Size:**

**from (m):** to  **Size:**

---

### Open Hole:

**from (m):** to

---

### Pump:

- **Model:**

**Intake (m):** 79.2

---

### Testing:

- **Rate (lpm):** 9.1  **Time (minute):** 180.0

**Level End (m):** 82.3  **Drawdown (m):** 52.1

**Rec'd intake (m):** 79.2  **Rec'd Rate (lpm):** 4.6

---

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:

- **No**

### Gamma Log:

- **No**

### Aquifer Test:

- **No**

### AEP Data:

- **Yes**  **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:** 1.000H

**Project:**

**Transmissivity:** m³/day

**Storativity:**

**Amm. Nitrogen**

**Cadmium**

**Copper**

**Brambone**

**Sulphate**

**Beryllium**

**Chromium**

**Barium**

**Manganese**

**Phosphates**

**Lead**

**Nitrate & Nitrite N**

---

**Printed on**: 2/20/98
SE 36-053-28 W4M

Well Owner: Webster, Doug
Drilling Contractor: Summers, David Drilling

Well Number: 01791
Elevation (AMSL) (m): 741
Licence No.: 280690
Date Started: 24 Jul 95
Easting: 66,870.48
Date Completed: 31 Jul 95
Northing: 5,939,074.00

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| Laboratory: | |
|---|---|---|---|---|---|---|
| pH (pH unit) | COD | Mercury | |
| Cond. (µS/cm) | SAR | Nickel | |
| TDS | TKN | Selenium | |
| Sodium | Nitrate | Strontium | |
| Potassium | Nitrite | Molybdenum | |
| Calcium | TN | Vanadium | |
| Magnesium | TC | Zinc | |
| Carbonate | DIC | Hydroxide | |
| Bicarbonate | Arsenic | Total Hardness | |
| Aluminum | Barium | Manganese | |
| Sulphate | Beryllium | Phosphorus | |
| Chloride | Cadmium | Ion Balance | |
| Fluoride | Chromium | Amm. Nitrogen | |
| Iron | Cobalt | Total Phosphate | |
| TOC | Copper | Total Alkalinity | |
| Silicon | Lead | Nitrates & Nitrite N | |
| Chemical Constituents are in mg/l (ppm). Except as noted. | | |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
SE 36-053-28 W4M

Well Number: 01792

Elevation (AMSL) (m): 741

AEP: 156790

Licence No.: 66,870.48

Date Started: 5,939,074.00

Drilling Contractor: Unknown Driller

Well Owner: Wilson, W.D.

Well Use: Domestic

Completed Depth 42.7 (m)

NPWL (m): Verified NPWL (m):

Abandonment:

Casing:

Type:

Depth (m): Bottom (m):

OD (mm): Thickness (mm):

Seal Type:

from (m): to

Liner:

Type:

OD (mm): Thickness (mm):

Top (m): Bottom (m):

Perforated How:

from (m): to Size:

from (m): to Size:

from (m): to Size:

Screen:

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

Open Hole:

from (m): to

Pump:

Model:

Intake (m):

Testing:

Rate (lpm):

Time (minute):

Level End (m):

Drawdown (m):

Rec'd intake (m):

Rec'd Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury

Cond. (µS/cm) SAR Nickel

TDS TKN Selenium

Sodium Nitrate Strontium

Potassium Nitrite Molybdenum

Calcium TN Vanadium

Magnesium TC Zinc

Carbonate DIC Hydroxide

Bicarbonate Arsenic Total Hardness

Aluminum Barium Manganese

Sulphate Beryllium Phosphate

Chloride Cadmium Ion Balance

Fluoride Chromium Amm. Nitrogen

Iron Cobalt Total Phosphate

TOC Copper Total Alkalinity

Silica Lead Nitrate & Nitrite N

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Well Number: 02726**

**Well Owner:** Valeriote, M.A.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 712

**AEP:** 260536

**Licence No.:** Easting: 71,957.34

**Date Started:** Northing: 5,940,558.00

**Date Completed:**

---

### General

<table>
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<th>Type of Work:</th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Drilled</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Unknown</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>79.2</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>Verified</td>
</tr>
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<td>Abandonment:</td>
<td></td>
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### Casing

<table>
<thead>
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<tr>
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<td>Bottom (m):</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
<td>from (m): to</td>
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</table>

### Liner

<table>
<thead>
<tr>
<th>Type:</th>
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</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
<td>from (m): to Size:</td>
</tr>
<tr>
<td></td>
<td>from (m): to Size:</td>
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<td></td>
<td>from (m): to Size:</td>
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### Screen

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<td>from (m): to Size:</td>
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<tr>
<td></td>
<td>from (m): to Size:</td>
</tr>
<tr>
<td></td>
<td>from (m): to Size:</td>
</tr>
</tbody>
</table>

### Open Hole

| from (m):                    | to |

### Pump

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
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</table>

### Testing

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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</thead>
<tbody>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

### Laboratory

- **pH (pH unit):** 8.10
- **Cond. (µS/cm):** 1058
- **TDS:** 621.0
- **Sodium:** 164.91
- **Potassium:** 1.96
- **Calcium:** 53.91
- **Magnesium:** 77.09
- **Carbonate:** 541.77
- **bicarbonate:** 124.88
- **Aluminium:** 0.25
- **Iron:** 2.90
- **TOC:** 10.20
- **Silica:** 10.20
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **Molybdenum:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness 164.00
- **Barium:** Ion Balance 0.91
- **Cadmium:** Total Phosphate
- **Cobalt:** Amm. Nitrogen
- **Copper:** Total Alkalinity 445.0
- **Copper:** Total Hardness
- **Lead:** Nitrate & Nitrite N

### Electric Log
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H

### Remarks

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completion Depth:** 42.7 m
- **NPWL (m):** 9.1
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 33.5
- **Bottom (m):** 33.5
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite & Cement
- **from (m):** to 25.9

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
  - **Thickness (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to Size:

**Pump:** Sub
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 1440.0
- **Level End (m):**
- **Drawdown (m):** 12.2
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):** 13.7

**Laboratory:**
- **13 Oct 88**
- **pH (pH unit):** 7.64
- **Cond. (µS/cm):** 801.0
- **TDS:** 474.0
- **Sodium:** 37.95
- **Potassium:** 1.96
- **Calcium:** 115.03
- **Magnesium:** 22.98
- **Carbonate:** DIC
  - **Bicarbonate:** 499.67
  - **Aspartic Acid:**
  - **Total Hardness:**
  - **Barium:**
  - **Aluminium:**
  - **Nitrate:**
  - **Chloride:**
  - **Fluoride:**
  - **Iron:**
  - **TOC:**
  - **Silica:**
  - **Lead:**
  - **Nickel:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

Elevation (AMSL) (m): 756
- **Licence No.:** Easting: 70,520.84
- **Date Started: 27 Aug 88**
- **Northing: 5,941,365.00**
- **Date Completed: 28 Aug 88**

**Wells:**

**Well Number:** 02727

**Well Owner:** Machin, Tom

**Drilling Contractor:** Rodco Drilling

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2</td>
<td>744.3</td>
<td>Clay</td>
</tr>
<tr>
<td>14.9</td>
<td>741.5</td>
<td>Shale Sandy</td>
</tr>
<tr>
<td>17.4</td>
<td>739.1</td>
<td>Shale</td>
</tr>
<tr>
<td>17.7</td>
<td>738.8</td>
<td>Sandstone Hard</td>
</tr>
<tr>
<td>25.0</td>
<td>731.5</td>
<td>Shale</td>
</tr>
<tr>
<td>28.7</td>
<td>727.8</td>
<td>Shale Sandy</td>
</tr>
<tr>
<td>32.0</td>
<td>724.5</td>
<td>Shale</td>
</tr>
<tr>
<td>32.6</td>
<td>723.8</td>
<td>Coal</td>
</tr>
<tr>
<td>42.7</td>
<td>713.8</td>
<td>Shale</td>
</tr>
</tbody>
</table>

**Well Field Verified:** No

**AEP Data:** Yes

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Number 02728

Well Owner: Schmidt, Helmut
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 756
AEP: 260533
Licence No.: Date Started:
Easting: 70,520.84
Nortthing: 5,941,365.00
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth 54.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
05 Nov 65
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS 458.0 TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness 330.00
Aluminium Barium Manganese
Sulphate 19.21 Beryllium Phosphate
Chloride 9.93 Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron 2.80 Cobalt Total Phosphate
TOC Copper Total Alkalinity 425.0
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 04-054-27 W4M**

**Well Owner:** Carter, Gordon Robert  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 712  
**AEP:** 161744

**Date Started:**  
**Date Completed:**

| Well Number: 02729 |
|-------------------|-----------------|-----------------|
| Elevation (BGL) (m): | Elevation (AMSL) (m): |
|       (m)       |       (m)       |
| Lithologic Description |
|-----------------|-----------------|
|                   |                 |

| General: |
|-----------------|-----------------|
| Type of Work: Chemistry |
| Drilling Method: Not Applicable |
| Well Use: Domestic |
| Completed Depth 22.9 (m) |
| NPWL (m): Verified NPWL (m): |
| Abandonment: |

| Casing: |
|-----------------|-----------------|
| Type: |
| Depth (m): Bottom (m): |
| OD (mm): Thickness (mm): |
| Seal Type: from (m): to |

| Liner: |
|-----------------|-----------------|
| Type: |
| OD (mm): Thickness (mm): |
| Top (m): Bottom (m): |
| Perforated How: from (m): to Size: |
| from (m): to Size: |
| from (m): to Size: |

| Screen: |
|-----------------|-----------------|
| Material: |
| OD (mm): from (m): to Size: |
| from (m): to Size: |

| Open Hole: |
|-----------------|-----------------|
| from (m): to |

| Pump: |
|-----------------|-----------------|
| Model: |
| Intake (m): |
| Rate (lpm): |
| Time (minute): |
| Level End (m): Drawdown (m): |
| Rec'd intake (m): Rec'd Rate (lpm): |

| Laboratory: |
|-----------------|-----------------|
| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

<table>
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<tr>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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</thead>
<tbody>
<tr>
<td>Gamma Log: No</td>
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<tr>
<td>Aquifer Test: No</td>
<td></td>
</tr>
<tr>
<td>Project: Database: 1.000H</td>
<td></td>
</tr>
<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Hand Dug
- **Well Use:** Domestic
- **Completed Depth:** 4.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m):
  - to

### Liner:
- **Type:**
  - OD (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m):
  - to
  - Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:

### Open Hole:
- **from (m):**
  - to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **31 Jul 79**
- **pH (pH unit):** 7.70
- **Cond. (µS/cm):** 724.0
- **TDS:** 410.0
- **Sodium:** 6.90
- **Potassium:** 1.17
- **Calcium:** 108.02
- **Magnesium:** 31.01
- **Carbonate:** DIC
- **Bicarbonate:** 458.19
- **Aluminium:** Barium
- **Subhate:** 36.02
- **Chloride:** Cadmium
- **Fluoride:** 0.34
- **Iron:** 0.09
- **TOC:** 16.40
- **Silica:** 14.30
- **pH:** 7.70
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrile:** Molybdenum
- **TC:** Vanadium
- **Nitric:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
  - **Value:** 396.00
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
  - **Value:** 0.99
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
  - **Value:** 376.0
- **Lead:** Nitrate & Nitrite
- **Lithologic Description**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### TOC:
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
**SW 04-054-27 W4M**

**Well Number:** 02731

**Well Owner:** Walter, E. Norman

**Drilling Contractor:** Summer's Drilling Ltd.

**Elevation (AMSL) (m):** 747

**AEP:** 260528

**Licence No.:**

**Date Started:** 23 Jun 89

**Date Completed:** 30 Jun 89

**Easting:** 70,726.85

**Northing:** 5,940,956.50

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic & Stock
- **Completed Depth:** 21.6 (m)
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):**
  - 21.6
  - Bottom (m): 21.6
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
  - from (m): to 3.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
  - OD (mm): 7.3
  - from (m): 13.7 to 14.3
- **Thickness (mm):** 0.02
- **Size:**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 16.0
- **Time (minute):** 240.0
- **Level End (m):**
- **Drawdown (m):** 14.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 13.7

### Laboratory:

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<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
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<tr>
<td>Potassium</td>
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<td>Calcium</td>
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<td>Magnesium</td>
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<td>Sulphate</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

*printed on 2/20/98*
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Hand Dug
- **Well Use:** Domestic

**Completed Depth:** 39.6 (m)

**NPWL (m):**

**Verifed NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** 
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

**Open Hole:** from (m): to

**Pump:**
- Model: Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:** 13 Jun 75
- **pH (pH unit):** 8.90
- **Cond. (µS/cm):** 1200 SAR
- **TDS:** 516.0 TKN
- **Sodium:** 223.10 Nitrate
- **Potassium:** 0.39 Nitrite
- **Calcium:** 3.01 TN
- **Magnesium:** TC
- **Carbonate:** 30.00 DIC
- **Bicarbonate:** 488.69 Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** 7.09 Cadmium
- **Fluoride:** 2.54 Chromium
- **Iron:** 0.80 Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 33.5 m
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**

#### Casing:
- **Type:** 
- **Depth (m):** 
- **Bottom (m):** 
- **OD (mm):** 
- **Thickness (mm):** 
- **Seal Type:** 
- **from (m):** 
- **to:**

#### Liner:
- **Type:** 
- **OD (mm):** 
- **Thickness (mm):** 
- **Top (m):** 
- **Bottom (m):** 
- **Perforated How:** 
  - **from (m):** 
  - **to:** 
  - **Size:**

#### Screen:
- **Material:** 
- **OD (mm):** 
- **from (m):** 
- **to:** 
- **Size:**

#### Open Hole:
- **from (m):** 
- **to:**

#### Pump:
- **Model:** 
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

#### Laboratory:
- **Date:** 29 Jan 70
- **pH (pH unit):**
- **Cond. (μS/cm):**
- **TDS:** 858.0
- **Aluminum:**
- **Barium:**
- **Magnesium:**
- **Potassium:**
- **Calcium:**
- **Bicarbonate:**
- **Carbonate:**
- **Sulphate:** 266.09
- **Chloride:** 2.13
- **Fluoride:**
- **Iron:** 7.20
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Barium:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Beryllium:**
- **Carbonate:**
- **Bicarbonate:**
- **Iron:**
- **Manganese:**
- **Molybdenum:**
- **Nickel:**
- **Total Hardness:** 308.00
- **Total Alkalinity:** 500.0

### Lithologic Description
(No Lithologic Information Available)

### Depth Elevation
- **(BGL) (AMSL):**
- **Lithologic Description:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **TOC:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Calcium:**
- **Magnesium:**
- **Total Hardness:**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic  
- **Completed Depth (m):** 39.6  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  

#### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- **Liner:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:**  
- **Material:** OD (mm): Size:  
- **Open Hole:** from (m): to  
- **Pump:**  
- **Model:** Intake (m):  

#### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **09 Aug 77**  
- **pH (pH unit):** 8.10  
- **Cond. (µS/cm):** 752.0  
- **TDS:** 426.0  
- **Sodium:** 31.97  
- **Nitrate:**  
- **Potassium:** 5.08  
- **Calcium:** 83.97  
- **Magnesium:** 40.01  
- **Carbonate:**  
- **Bicarbonate:** 460.02  
- **Arsenic:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:** 37.94  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:** 0.18  
- **Iron:** 1.94  
- **TOC:**  
- **Silica:** 23.60  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: **1.000H**  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number 02735**

**Well Owner:** Lowe, Dawn E.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 747

**AEP:** 260965

**Date Started:**

**Easting:** 69,618.91

**Northing:** 5,941,039.00

**Date Completed:**

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<tr>
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<td>Lead</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

| Remarks: | | |
|----------|----------------|
| Water Well Positioned by PFRA in 10TM NAD 27 | | |

printed on 2/20/98
Well Number: 02736

**Well Owner:** Schinke, H.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 747

**Licence No.:** Easting: 69,618.91

**Date Started:** Northing: 5,941,039.00

**Date Completed:**

### General:

| Type of Work: | Chemistry |
| Drilling Method: | Unknown |
| Well Use: | Domestic |

**Completed Depth:** 39.6 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

### Casing:

| Type: |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |

**Seal Type:**

| from (m): | to |

### Liner:

| Type: |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |

**Perforated How:**

| from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

### Screen:

| Material: |
| OD (mm): |

| from (m): | to | Size: |
| from (m): | to | Size: |

### Open Hole:

| from (m): | to |

### Pump:

| Model: |
| Intake (m): |

### Testing:

| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

### Laboratory:

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

Chemical Constituents are in mg/l (ppm). Except as noted.

printed on 2/20/98
04-05-054-27 W4M

Well Owner: Sinclair, Bill
Drilling Contractor: Elliott Drig

Well Number 02737

Elevation (AMSL) (m): 750
AEP: 186263
Licence No.: Easting: 69,541.26
Date Started: Northing: 5,940,675.50
Date Completed: 22 Apr 71

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<td>Completed Depth 28.0 (m)</td>
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<td>NPWL (m): 18.9</td>
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<td>26.2 723.4 Sand Fine Grained Brown</td>
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Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02738

Well Owner: Spinks, John J.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 747
AEP: 260957
Date Started: 05-05-27
Easting: 69618.91
Date Completed: 05-05-27
Northing: 5941039.00

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 31.1 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How:
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **ph (pH unit):** 8.20
- **Cond. (µS/cm):** 460.0
- **TDS:** 274.0
- **Sodium:** 31.05
- **Nitrate:** 1.56
- **Potassium:** 38.08
- **Calcium:** 21.04
- **Magnesium:** 4.96
- **Barium:** 2.60
- **Beryllium:** 0.22
- **Cadmium:** 0.15
- **Arsenic:**
- **Total Hardness:** 184.00
- **Bicarbonate (µS/cm):**
- **Barium:**
- **Manganese:**
- ** Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** 64.0/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:** 285.0
- **TOC:**
- **AEP Data:** Yes
- **Database:** 1.000H
- **Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.6 m
- **NPWL:** 14.0 m
- **Verified NPWL:**
- **Abandonment:**
  - **Type:** Steel
  - **Depth:** 60.0 m
  - **Bottom Depth:** 60.0 m
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from:** (m) to 60.0

## Lithologic Description
- **1.000 H**:
  - **Clay:** 2.1 m, 745.8 m
  - **Sand & Gravel:** 16.5 m, 731.5 m
  - **Shale:** 29.0 m, 719.0 m
  - **Sand:** 44.2 m, 703.8 m
  - **Sandstone:** 59.7 m, 688.2 m
  - **Shale:** 68.6 m, 679.4 m

## Laboratory:
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<th>COD</th>
<th>Mercury</th>
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<td>Beryllium</td>
<td>Phosphate</td>
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<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

## Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 420.0
- **Level End:** 59.4 m
- **Drawdown:** 14.9 m
- **Rec’d intake (m):** 59.4
- **Rec’d Rate (lpm):** 18.2

## Electric Log
- **Transmissivity:** 1.000 H

## Gamma Log
- **Storativity:**

## Aquifer Test
- **Project:**
- **Database:** 1.000 H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Number: 02740

Well Owner: Yim, Simon
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 747
AEP: 260964
Licence No.: Unknown
Date Started: 5,941,039.00
Date Completed: 29.9

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 29.9 (m)
NPWL (m): 69,618.91
Verified NPWL (m):
Abandonment:

Casing:
Type: Bottom (m):
Depth (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m):
to

Liner:
Type: Bottom (m):
OD (mm):
Thickness (mm):
Top (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material: Size:from (m): to
OD (mm):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
20 Feb 81
pH (pH unit): 7.50 COD Mercury
Cond. (µS/cm): 810.0 SAR Nickel
TDS 409.0 TKN Selenium
Sodium 20.93 Nitrate Strontium
Potassium 2.74 Nitrite Molybdenum
Calcium 100.00 TN Vanadium
Magnesium 25.05 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 488.69 Arsenic Total Hardness 353.00
Aluminum 20.33 Barium Manganese
Sulphate 15.85 Beryllium Phosphate
Chloride 3.90 Cadmium Ion Balance 0.95
Fluoride 0.23 Chromium Amm. Nitrogen
Iron 2.71 Cobalt Total Phosphate
TOC Copper Total Alkalinity 401.0
Silica 18.80 Lead Nitrate&Nitrite N

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NE 05-054-27 W4M**

**Well Owner:** Atwal, Irbal S.  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 762  
**Licence No.:** AEP: 260952  
**Date Started:**  
**Date Completed:**

**Well Number:** 02741  
**Easting:** 70,000.04  
**Northing:** 5,941,514.50

---

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**  
- **from (m):** to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**  
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

---

### Laboratory:

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<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

Printed on 2/20/98
General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth: 16.8 (m)
NPWL (m): 8.5
Verified NPWL (m):
Abandonment:
Casing:
Type: Galvanized Steel
Depth (m): 16.8
Bottom (m): 16.8
OD (mm): 558.8
Thickness (mm): 0.0
Seal Type:
from (m): to
Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model:
Intake (m):
Testing:
Rate (lpm): 22.8
Time (minute): 60.0
Level End (m):
Rec’d intake (m): Rec’d Rate (lpm):
Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
## NE 05-054-27 W4M

**Well Number:** 02743  
**Well Owner:** Calverley, Brett  
**Drilling Contractor:** Big Iron Drilling Ltd.  
**Corpo Number:** 05-054-27 W4M  
**Well Elevation:** 759  
**AEP:** 264149  
**License No.:** 05-054-27  
**Easting:** 70,063.50  
**Northing:** 5,941,665.00  
**Date Started:** 12 Nov 78  
**Date Completed:** 21 Nov 78

### General Information

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<tr>
<td>NPWL:</td>
<td>9.1 m</td>
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<tr>
<td>Abandonment:</td>
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</table>

### Casing

| Type: | Steel |
| Depth (m): | 39.0 m |
| Bottom (m): | 39.0 m |
| OD (mm): | 139.7 |
| Thickness (mm): | 0.1 |
| Seal Type: | Driven |
| Abandonment: | 39.0 m |

### Liner

| Type: | Torch |
| OD (mm): | 114.3 |
| Thickness (mm): | |
| Top (m): | |
| Bottom (m): | 54.9 |
| Perforated How: | from (m): 48.8 to 54.9 |
| Size: | |
| from (m): | to 54.9 |
| Size: | |
| from (m): | to Size: |

### Screen

| Material: | |
| OD (mm): | from (m): to |
| Thickness (mm): | Size: |
| Top (m): | to |
| Bottom (m): | Size: |
| Open Hole: | from (m): to |
| Pump: | Sub |
| Model: 5d5-33 |
| Intake (m): | |

### Testing

| Rate (lpm): | 13.7 |
| Time (minute): | 120.0 |
| Level End (m): | 54.9 |
| Drawdown (m): | 45.7 |
| Rec'd Rate (lpm): | 49.4 |
| Rec'd intake (m): | |

### Laboratory Analysis

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### Electric Log: No

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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 05-054-27 W4M**

**Well Owner:** Chouinad, A.

**Drilling Contractor:** Summer’s Drilling Ltd.

**Elevation (AMSL) (m):** 762  
**AEP:** 260875

**Licence No.:** 17 Sep 76  
**Easting:** 70,000.04

**Date Started:** 17 Sep 76  
**Northing:** 5,941,514.50

**Date Completed:** 19 Sep 76

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<tr>
<td><strong>Rec’d intake (m):</strong></td>
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**Laboratory:**

| **pH (pH unit):** 7.60 | **COD:** | **SAR:** | **Mercury:** |
| **Cond. (μS/cm):** 860.0 | **SAR:** | **Nickel:** | |
| **TDS:** 540.0 | **TKN:** | **Selenium:** | |
| **Sodium:** 13.11 | **Nitrate:** | **Strontium:** | |
| **Potassium:** 9.78 | **Nitrite:** | **Molybdenum:** | |
| **Calcium:** 146.09 | **TN:** | **Vanadium:** | |
| **Magnesium:** 40.01 | **TC:** | **Zinc:** | |
| **Carbonate:** DIC | **As: Total Hardness:** 529.00 | **Hydroxide:** | |
| **Bicarbonate:** 621.08 | **Arsenic:** | **Total Hardness:** 529.00 | |
| **Aluminum:** Barium | **Manganese:** | **Total Phosphate:** | |
| **Sulphate:** 25.94 | **Beryllium:** | **Phosphate:** | |
| **Chloride:** Cadmium | **Iron:** | **Total Nitrogen:** | |
| **Fluoride:** 0.23 | **Chromium:** | **Amm. Nitrogen:** | |
| **Iron:** 0.54 | **Cobalt:** | **Total Phosphate:** | |
| **TOC:** Copper | **Total Alkalinity:** 510.0 | **Screen:** | |
| **Silica:** 15.80 | **Lead:** | **Nitrate & Nitrite:** | |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- **Type of Work:** Chemistry
- **Well Use:** Domestic
- **Completed Depth (m):** 70,000.04
- **NPWL (m):** 70,000.04
- **Abandonment:**

<table>
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<tr>
<th>Casting</th>
<th>Type:</th>
<th>Bottom (m):</th>
<th>Thickness (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Liner</th>
<th>Type:</th>
<th>Thickness (mm):</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Screen</th>
<th>Material:</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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<table>
<thead>
<tr>
<th>Open Hole</th>
<th>from (m):</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Pump</th>
<th>Model:</th>
<th>Intake (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Testing</th>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Electric Log</th>
<th>Transmissivity:</th>
<th>m³/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gamma Log</td>
<td>Storativity:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Laboratory:
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
</tr>
<tr>
<td>TDS</td>
</tr>
<tr>
<td>Sodium</td>
</tr>
<tr>
<td>Potassium</td>
</tr>
<tr>
<td>Calcium</td>
</tr>
<tr>
<td>Magnesium</td>
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<tr>
<td>Carbonate</td>
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<tr>
<td>Bicarbonate</td>
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<tr>
<td>Aluminium</td>
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<tr>
<td>Sulphate</td>
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<tr>
<td>Chloride</td>
</tr>
<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
</tr>
</tbody>
</table>

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NE 05-054-27 W4M**

**Well Owner:** De Mott, Fred  
**Drilling Contractor:** Grove Drilling Ltd

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m): 762</th>
<th>AEP: 260894</th>
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<tbody>
<tr>
<td>Date Started: 07 Jun 76</td>
<td>Easting: 70,000.04</td>
</tr>
<tr>
<td>Date Completed: 07 Jun 76</td>
<td>Northing: 5,941,514.50</td>
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<table>
<thead>
<tr>
<th>General: Type of Work: New Well</th>
<th>Depth Elevation (BGL) (AMSL)</th>
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</thead>
<tbody>
<tr>
<td>Drilling Method: Rotary</td>
<td>(m) (m)</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
</tr>
<tr>
<td>Completed Depth 27.4 (m)</td>
<td>10.1</td>
</tr>
<tr>
<td>NPWL (m): 13.7</td>
<td>11.9</td>
</tr>
<tr>
<td>Abandonment:</td>
<td>18.0</td>
</tr>
<tr>
<td>Casing: Type: Steel</td>
<td>18.9</td>
</tr>
<tr>
<td>Depth (m): 27.4</td>
<td>21.3</td>
</tr>
<tr>
<td>OD (mm): 114.3</td>
<td>26.8</td>
</tr>
<tr>
<td>Thickness (mm): 0.1</td>
<td></td>
</tr>
<tr>
<td>Liner: Seal Type:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Screen: Type:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Pump: Model:</td>
<td></td>
</tr>
<tr>
<td>Testing: Rate (lpm): 18.2</td>
<td>18.2</td>
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<tr>
<td>Level End (m): 25.9</td>
<td>25.9</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
<td>25.9</td>
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<table>
<thead>
<tr>
<th>Laboratory:</th>
<th>Electric Log: No Transmissivity: m³/day</th>
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<tbody>
<tr>
<td>pH (pH unit): 8.10</td>
<td>Gamma Log: No Storativity:</td>
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<tr>
<td>Cond. (µS/cm): 994.0</td>
<td>Aquifer Test: No</td>
</tr>
<tr>
<td>TDS 581.0</td>
<td>Project: Database: 1.000H</td>
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<tr>
<td>Sodium 230.92</td>
<td>AEP Data: Yes Well Field Verified: No</td>
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<tr>
<td>Potassium 1.17</td>
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<tr>
<td>Calcium 3.01</td>
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<tr>
<td>Magnesium 0.12</td>
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<tr>
<td>Carbonate 647.93</td>
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<td>Bicarbonate 4.93</td>
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<tr>
<td>Aluminium 2.01</td>
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<tr>
<td>Sulphate 24.98</td>
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<tr>
<td>Chloride 52.02</td>
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<tr>
<td>Fluoride 0.12</td>
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<tr>
<td>Iron 0.47</td>
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<tr>
<td>TOC 0.2</td>
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<tr>
<td>Silica 20.60</td>
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<tr>
<td>Laboratory: Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.1 m
- **NPWL (m):** 10.7
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth:** 34.4 m
- **Bottom (m):** 34.4
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Drive Shoe
- **from (m):** to 34.4

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Intake (m):** 32.0
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH: 8.2, Conductivity: 753.7 µS/cm**
- **Calcium: 17.4 mg/l (ppm), Nitrate: 8.2 mg/l (ppm)**
- **Manganese: 40.5 mg/l (ppm), Selenium: 41.5 mg/l (ppm)**
- **Iron: 20.0 mg/l (ppm), Total Hardness: 42.1 mg/l (ppm)**
- **Lead: 0.01 mg/l (ppm), Copper: 0.0 mg/l (ppm)**
- **Chloride: 5.8 mg/l (ppm), Molybdenum: 10.7 mg/l (ppm)**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 05-054-27 W4M**

**Well Owner:** Erin Estates  
**Drilling Contractor:** Grove Drilling Ltd

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Elevation (AMSL) (m):</strong> 762</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>AEP: 260870</strong></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Date Started:</strong> 01 Jun 76</td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 32.0 (m)</td>
<td><strong>Easting:</strong> 70,000.04</td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 15.2</td>
<td><strong>Northing:</strong> 5,941,514.50</td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td><strong>Date Completed:</strong> 01 Jun 76</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Casing:</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type:</strong> Steel</td>
<td>3.4 758.6 Clay</td>
</tr>
<tr>
<td><strong>Depth (m):</strong> 31.1</td>
<td>7.3 754.7 Sand</td>
</tr>
<tr>
<td><strong>Bottom (m):</strong> 31.1</td>
<td>8.2 753.7 Sand &amp; Gravel</td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 114.3</td>
<td>24.7 737.3 Clay</td>
</tr>
<tr>
<td><strong>Thickness (mm):</strong></td>
<td>31.1 730.9 Sandstone</td>
</tr>
<tr>
<td><strong>Seal Type:</strong></td>
<td>32.0 730.0 Clay</td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td>114.3 737.3 Sandstone</td>
</tr>
<tr>
<td><strong>to</strong></td>
<td>31.1 730.9 Sandstone</td>
</tr>
</tbody>
</table>

| Liner: |  
|---------|---|
| **Type:** |  
| **OD (mm):** | Thickness (mm):  |
| **Top (m):** | Bottom (m):  |
| **Perforated How:** |  
| **from (m):** | to | Size:  |
| **from (m):** | to | Size:  |
| **from (m):** | to | Size:  |

| Screen: |  
|---------|---|
| **Material:** |  
| **OD (mm):** | Thickness (mm):  |
| **from (m):** | to | Size:  |
| **from (m):** | to | Size:  |

| Open Hole: |  
|-----------|---|
| **from (m):** | to |

| Well Use:  |  
|-----------|---|
| **NPWL (m):** |  
| **Verified NPWL (m):** |  
| **Abandonment:** |  
| **Casing:** |  
| **Type:** |  
| **Bottom (m):** | Depth (m):  |
| **Thickness (mm):** |  
| **OD (mm):** |  
| **Seal Type:** |  
| **from (m):** | to | Size:  |
| **to** | Size:  |
| **Liner:** |  
| **Type:** |  
| **Thickness (mm):** |  
| **Bottom (m):** |  
| **Perforated How:** |  
| **from (m):** | to | Size:  |
| **from (m):** | to | Size:  |
| **from (m):** | to | Size:  |

| Pump: |  
|-------|---|
| **Model:** | Intake (m): |
| **Testing:** |  
| **Rate (lpm):** | 9.1  
| **Time (minute):** | 420.0  
| **Level End (m):** | 31.1  
| **Drawdown (m):** | 15.9  
| **Rec'd intake (m):** |  
| **Rec'd Rate (lpm):** |  

| Laboratory: |  
|------------|---|
| **pH (pH unit):** | COD Mercury  |
| **Cond. (µS/cm):** | SAR Nickel  |
| **TDS:** | TKN Selenium  |
| **Sodium:** | Nitrate Strontium  |
| **Potassium:** | Nitrite Molybdenum  |
| **Calcium:** | TN Vanadium  |
| **Magnesium:** | TC Zinc  |
| **Carbonate:** | DIC Hydroxide  |
| **Bicarbonate:** | Arsenic Total Hardness  |
| **Aluminum:** | Barium Manganese  |
| **Sulphate:** | Beryllium Phosphorus  |
| **Chloride:** | Cadmium Ion Balance  |
| **Fluoride:** | Chromium Amm. Nitrogen  |
| **Iron:** | Cobalt Total Phosphate  |
| **TOC:** | Copper Total Alkalinity  |
| **Silica:** | Lead Nitrate&Nitrite N  |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 02749**

**Well Owner:** Hort, Peter

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 762

**AEP:** 260920

**Date Started:**

**Date Completed:**

---

### General
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 39.6 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

---

### Laboratory
- **pH (pH unit):** 8.10
- **Cond. (µS/cm):** 766.0
- **TDS:** 438.0
- **Sodium:** 45.08
- **Potassium:** 5.08
- **Calcium:** 83.97
- **Magnesium:** 21.04
- **Carbonate:** Dic 1.4685
- **Bicarbonate:** 461.85
- **Aluminum:** Barium 104.57
- **Sulphate:** 55.23
- **Chloride:** Cadium 0.2210
- **Fluoride:** 0.06
- **Iron:** 5.40
- **TOC:** 8.04
- **Silica:** 16.10

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

### Electric Log
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 86.9 m
- **Elevation (AMSL) (m):** 762
- **NPWL (m):** 5,941,514.50
- **Verified NPWL (m):** Unknown

### Casing:
- **Type:**
- **Depth (m):** to
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** to
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 7.40
- **Cond. (µS/cm):** 810.0
- **TDS:** 482.0
- **Sodium:** 14.95
- **Potassium:** 2.74
- **Calcium:** 140.08
- **Magnesium:** 25.05
- **Carbonate:** DIC
- **Bicarbonate:** 552.75
- **Aluminum:** Barium
- **Sulphate:** 26.90
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** 6.36
- **TOC:** Copper
- **Silica:** 19.80
- **COD:** Mercury
- **SAR:** Nickel
- **TN:** TKN
- **Total Nitrogen:** Nitrate
- **Total Phosphate:** Phosphate
- **Total Alkalinity:** 454.0

### Electric Log:
- **Storativity:** m³/day
- **Transmissivity:**
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **Copper:** Total Phosphate
- **Total Hardness:** 454.0
- **Total Alkalinity:**
- **Lead:** Nitrate & Nitrite
- **Phosphate:** Sulphate
- **Sodium:** Total Hardness
- **Chromium:** Ammonium
- **Cadmium:** Ion Balance
- **Nickel:** Total Hardness
- **Iron:** Total Phosphate
- **Copper:** Total Alkalinity
- **Manganese:** Total Hardness
- **Barium:** Total Hardness
- **Beryllium:** Total Hardness
- **Strontium:** Total Hardness
- **Cadmium:** Total Hardness
- **Selenium:** Total Hardness
- **Nickel:** Total Hardness
- **Iron:** Total Phosphate

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
- Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work**: Chemistry  
- **Drilling Method**: Drilled  
- **Well Use**: Domestic  
- **Completed Depth**: 24.4 (m)  
- **NPWL (m)**: 70,000.04  
- **Verifed NPWL (m)**: 5,941,514.50  
- **Abandonment**: Unknown Driller

#### Casings:
- **Type**: Unknown  
- **Depth (m)**: Bottom (m):  
- **OD (mm)**: Thickness (mm):  
- **Seal Type**: from (m): to

#### Liner:
- **Type**: Unknown  
- **OD (mm)**: Thickness (mm):  
- **Top (m)**: Bottom (m):  
- **Perforated How**: from (m): to Size:  
- **from (m)**: to Size:  
- **from (m)**: to Size:

#### Screen:
- **Material**: Un  
- **OD (mm)**: from (m): to Size:  
- **from (m)**: to Size:  
- **from (m)**: to Size:

#### Open Hole:
- **from (m)**: to

#### Pump:
- **Model**: Intake (m):  
- **Testing**:
  - **Rate (lpm)**: Time (minute):  
  - **Level End (m)**: Drawdown (m):  
  - **Rec'd Rate (lpm)**: Rec'd intake (m):

### Laboratory:
- **10 Nov 75**
- **pH (pH unit)**: 7.80  
- **COD**: Mercury  
- **Cond. (µS/cm)**: 825.0  
- **SAR**: Nickel  
- **TDS**: 525.0  
- **TKN**: Selenium  
- **Nitrate**: 14.03  
- **Sodium**: Strontium  
- **Nitrite**: Molybdenum  
- **Potassium**: 3.52  
- **Calcium**: 124.05  
- **Magnesium**: 31.01  
- **Barium**: Zinc  
- **Bicarbonate**: 638.77  
- **Arsenic**: Total Hardness 435.00  
- **Aluminum**: Manganese  
- **Carbonate**: Hydroxide  
- **Sulphate**: 37.94  
- **Beryllium**: Phosphate  
- **Chloride**: Sodium  
- **Cadmium**: Ion Balance 0.83  
- **Fluoride**: Chromium  
- **Iron**: Amm. Nitrogen  
- **TOC**: Copper  
- **Salt**: Total Phosphate  
- **Silica**: Total Alkalinity 524.0  
- **TC**: Lead

### Electric Log:
- **Transmissivity**: m²/day  
- **Gamma Log**: Storativity:  
- **Aquifer Test**:  
- **TOC**: Total Hardness  
- **Electric Log**: Lead  
- **Chromium**: Nitrate&Nitrite

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**
- **Remarks**: Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Printed on**: 2/20/98
### General:

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<thead>
<tr>
<th>Well Owner:</th>
<th>Miller, Leon</th>
</tr>
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<tbody>
<tr>
<td>Drilling Contractor:</td>
<td>McGinn, Gerald Drilling Ltd.</td>
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<tr>
<td>Well Number:</td>
<td>NE 05-054-27 W4M</td>
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<tr>
<td>Elevation (AMSL) (m):</td>
<td>762</td>
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<tr>
<td>Licence No.:</td>
<td>05-054-27</td>
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<tr>
<td>Date Started:</td>
<td>11 Sep 73</td>
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<td>Date Completed:</td>
<td>11 Sep 73</td>
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<tr>
<td>AEP:</td>
<td>260925</td>
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<tr>
<td>Easting:</td>
<td>70,000.04</td>
</tr>
<tr>
<td>Northing:</td>
<td>5,941,514.50</td>
</tr>
</tbody>
</table>

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Type of Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.2</td>
<td>746.7</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>17.7</td>
<td>744.3</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>19.5</td>
<td>742.5</td>
<td>Shale Light Gray</td>
</tr>
<tr>
<td>24.1</td>
<td>737.9</td>
<td>Shale Dark Gray</td>
</tr>
<tr>
<td>25.6</td>
<td>736.4</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>28.7</td>
<td>733.3</td>
<td>Shale Dark Gray</td>
</tr>
<tr>
<td>32.9</td>
<td>729.1</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>33.2</td>
<td>728.8</td>
<td>Sandstone</td>
</tr>
<tr>
<td>34.8</td>
<td>727.2</td>
<td>Coal</td>
</tr>
<tr>
<td>36.3</td>
<td>725.7</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>37.5</td>
<td>724.5</td>
<td>Shale Green</td>
</tr>
<tr>
<td>38.1</td>
<td>723.9</td>
<td>Coal</td>
</tr>
<tr>
<td>39.3</td>
<td>722.7</td>
<td>Shale Brown</td>
</tr>
<tr>
<td>46.0</td>
<td>716.0</td>
<td>Shale Gray</td>
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### Depth Elevation (BGL) (AMSL)

<table>
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<th>Lithologic Description</th>
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<tbody>
<tr>
<td>15.2</td>
<td>746.7 Clay Yellow</td>
</tr>
<tr>
<td>17.7</td>
<td>744.3 Clay Blue</td>
</tr>
<tr>
<td>19.5</td>
<td>742.5 Shale Light Gray</td>
</tr>
<tr>
<td>24.1</td>
<td>737.9 Shale Dark Gray</td>
</tr>
<tr>
<td>25.6</td>
<td>736.4 Shale Gray</td>
</tr>
<tr>
<td>28.7</td>
<td>733.3 Shale Dark Gray</td>
</tr>
<tr>
<td>32.9</td>
<td>729.1 Shale Sandy Gray</td>
</tr>
<tr>
<td>33.2</td>
<td>728.8 Sandstone</td>
</tr>
<tr>
<td>34.8</td>
<td>727.2 Coal</td>
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<tr>
<td>36.3</td>
<td>725.7 Shale Gray</td>
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<tr>
<td>37.5</td>
<td>724.5 Shale Green</td>
</tr>
<tr>
<td>38.1</td>
<td>723.9 Coal</td>
</tr>
<tr>
<td>39.3</td>
<td>722.7 Shale Brown</td>
</tr>
<tr>
<td>46.0</td>
<td>716.0 Shale Gray</td>
</tr>
</tbody>
</table>

### Casing:

<table>
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<tr>
<th>Type: Galvanized Steel</th>
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</thead>
<tbody>
<tr>
<td>Depth (m): 19.8 Bottom (m): 19.8</td>
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<tr>
<td>OD (mm): 114.3 Thickness (mm): 0.1</td>
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<tr>
<td>Seal Type: from (m): to</td>
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</table>

### Liner:

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>OD (mm): 88.9 Thickness (mm): 0.1</td>
</tr>
<tr>
<td>Top (m): Bottom (m): 46.0</td>
</tr>
<tr>
<td>Perforated How: from (m): 26.8 to 46.0 Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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### Screen:

<table>
<thead>
<tr>
<th>Material: Galvanized Steel</th>
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<tbody>
<tr>
<td>OD (mm): from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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</tbody>
</table>

### Open Hole:

| from (m): to |

### Pump:

<table>
<thead>
<tr>
<th>Intake (m):</th>
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</thead>
<tbody>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Testing:</td>
</tr>
<tr>
<td>Rate (lpm): 9.1 Time (minute): 1440.0</td>
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<tr>
<td>Level End (m): 22.6 Drawdown (m): 11.0</td>
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<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit): 7.20</th>
<th>COD: Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm): 750.0</td>
<td>SAR: Nickel</td>
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<tr>
<td>TDS: 388.0</td>
<td>TKN: Selenium</td>
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<tr>
<td>Sodium: 40.94</td>
<td>Nitrate: Strontium</td>
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<tr>
<td>Potassium: 2.74</td>
<td>Nitrite: Molybdenum</td>
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<tr>
<td>Calcium: 67.94</td>
<td>TN: Vanadium</td>
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<tr>
<td>Magnesium: 30.04</td>
<td>TC: Zinc</td>
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<tr>
<td>Carbonate: 449.64</td>
<td>DIC: Hydroxide</td>
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<tr>
<td>Bicarbonate: Arsenic</td>
<td>Total Hardness: 294.00</td>
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<tr>
<td>Aluminum: Barium</td>
<td>Manganesse</td>
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<tr>
<td>Sulphate: 17.77</td>
<td>Beryllium: Phosphate</td>
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<tr>
<td>Chloride: 1.06</td>
<td>Cadmium: Ion Balance 1.00</td>
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<tr>
<td>Fluoride: Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron: 1.30</td>
<td>Cobalt: Total Phosphate</td>
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<tr>
<td>TOC: Copper</td>
<td>Total Alkalinity 369.0</td>
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<tr>
<td>Silica: Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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### Electric Log:

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<th>Transmissivity: m³/day</th>
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</thead>
<tbody>
<tr>
<td>Gamma Log: No</td>
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<tr>
<td>Aquifer Test: No</td>
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<tr>
<td>Project: Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data: Yes Well Field Verified: No</td>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Myck, Jerry
Drilling Contractor: Holland Drilling Ltd.

Well Number: 02753

Elevation (AMSL) (m): 751
AEP: 260921
Licence No.: Easting: 70,358.31
Date Started: 25 May 76
Northing: 5,941,166.50
Date Completed: 26 May 76

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 59.4 (m)
NPWL (m): 18.3 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 46.3 Bottom (m): 46.3
OD (mm): 114.3 Thickness (mm): 0.1
Seal Type: Formation Packer
from (m): to 40.2

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 13.7 Time (minute): 120.0
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm): 13.7

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 59.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m):
- **Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**

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<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
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<tr>
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<tr>
<td>Potassium 1.56</td>
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<tr>
<td>Calcium 16.03</td>
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<td>Magnesium 1.95</td>
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<tr>
<td>Carbonate 433.78</td>
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<td>Chloride 2.13</td>
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<td>Fluoride 0.18</td>
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<tr>
<td>SAR</td>
<td>Nickel</td>
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<td>TKN</td>
<td>Selenium</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<td>Phosphate</td>
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<tr>
<td>Cadmium</td>
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<td>Total Phosphate</td>
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<td>Copper</td>
<td>Total Alkalinity 358.0</td>
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<tr>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</tbody>
</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(No Lithologic Information Available)</td>
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</tbody>
</table>

**Well Number: 02754**

- **Well Owner:** Neeve, N.
- **Elevation (AMSL) (m):** 762
- **Date Started:**
- **Drilling Contractor:** Unknown Driller
- **Date Completed:**
- **Licence No.:** Easting: 70,000.04
- **Northing:** 5,941,514.50

**Database: 1.000H**

- **AEP Data:** Yes
- **Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

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<tr>
<td>Lead</td>
<td></td>
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<tr>
<td>Nitrate &amp; Nitrite</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 32.0 (m)
- **NPWL (m):** 70,000.04
- **Verif NPWL (m):** Unknown
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **04 Oct 76**
- **pH (pH unit):** 8.40
- **Cond. (μS/cm):** 870.0
- **TDS:** 287.0
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **Manganese:** Vanadium
- **Barium:** Arsenic
- **Beryllium:** Total Hardness 152.00
- **Beryllium:** Phosphate
- **Cadmium:** Hydroxide
- **Chloride:** 2.84
- **Fluoride:** 0.07
- **Iron:** 1.06
- **TOC:** Copper
- **Silica:** Lead

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

(No Lithologic Information Available)

**Electric Log:** No  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No

**Well Number: 02756**
- **Elevation (AMSL) (m):** 762
- **AEP:** 260886
- **Licence No.:** Easting: 70,000.04
- **Date Started:** Northing: 5,941,514.50
- **Date Completed:**

**Printed on:** 2/20/98
**General:**
- **Type of Work:** New Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 46.9 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Unknown 01 Dec 88

**Casing:**
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
    - from (m): to

**Liner:**
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- **from (m): to**

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Well Number 02757**

**Well Owner:** Schinke, Hans

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 756  
**AEP:** 264165

**Licence No.:**  
**Easting:** 70,071.20  
**Nothing:** 5,941,329.90

**Date Started:** 25 Nov 88  
**Project:**  
**Date Completed:** 01 Dec 88  
**Database:** 1.000H

**Electric Log: No**  
**Transmissivity: m²/day**  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project:**  
**AEP Data: Yes**  
**Well Field Verified: No**
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 83.5 m (m)
- **NPWL (m):** 19.8 m
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 44.2 m
  - **Bottom (m):** 44.2 m
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1

### Casing:

- **Seal Type:**
  - from (m): to

### Liner:

- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**

### Screen:

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 44.2 to 45.7 m
- **Size:** 0.02

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Rate (lpm):** 16.0
- **Time (minute):** 420.0
- **Level End (m):** 36.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Molybdenum:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Lead:**
- **Chromium:**
- **Arsenic:**
- **Cadmium:**
- **Beryllium:**
- **Phosphate:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Arsenic:**
- **Cadmium:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Arsenic:**
- **Cadmium:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Arsenic:**
- **Cadmium:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Arsenic:**
- **Cadmium:**
- **Beryllium:**
- **Phosphate:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL)**

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<th>m</th>
<th>Lithologic Description</th>
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<td>83.5</td>
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**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquiifer Test:** No  **TOC:**
**Database:** 1.000H  **AEP Data:** Yes  **Well Field Verified:** No
**NE 05-054-27 W4M**

**Well Owner:** Sheppita, Paul  
**Drilling Contractor:** Grove Drilling Ltd

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<td>(m)</td>
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<tr>
<td>from (m): to</td>
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<td>Pump:</td>
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<td>Rec'd Rate (lpm):</td>
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</table>

**Laboratory:**

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
**NE 05-054-27 W4M**

**Well Owner:** Stadnyk, Blair  
**Drilling Contractor:** Ferland Enterprises

**Well Number:** 02760  
**Elevation (AMSL) (m):** 762  
**AEP:** 260868

**Licence No.:**  
**Date Started:** 08 Apr 76  
**Date Completed:** 12 Apr 76

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 59.7 (m)  
- **NPWL (m):** 18.3

**Abandonment:**
- **Type:** Galvanized Steel  
- **Depth (m):** 54.9  
- **Bottom (m):** 54.9  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 54.9

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 54.9  
- **Bottom (m):** 54.9  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 9.1  
- **Time (minute):** 120.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 27.4  
- **Rec'd intake (m):** 53.3

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**
- **(BGL) (AMSL):**
  - **(m) (m):**
    - 21.3 745.6  
    - 22.6 739.4  
    - 39.6 722.4  
    - 40.2 721.7  
    - 58.5 703.5  
    - 59.7 702.2

**Lithologic Description**
- **Clay:**
- **Quicksand:**
- **Shale:**
- **Quicksand:**
- **Sandstone:**
- **Coal:**

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
## General:

- **Well Owner:** Thomas, Greg
- **Drilling Contractor:** Irme Water Well Service & Supply Co. Ltd
- **Elevation (AMSL) (m):** 750
- **AEP:** 260940
- **Date Started:** 15 Aug 77
- **Easting:** 70,138.85
- **Licence No.:** 517.0
- **Northing:** 5,941,203.50
- **Date Completed:** 19 Aug 77

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 19.2
- **Bottom (m):** 19.2
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Welded Ring
- **from (m):**

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 48.2

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**

### Pump:
- **Sub:**
- **Model:**
- **Rate (lpm):** 4.6
- **Time (minute):**
- **Level End (m):**
- **Rec'd Rate (lpm):** 42.7
- **Rec'd intake (m):**

## Laboratory:

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## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Depth Elevation (BGL) (AMSL) (m) Lithologic Description

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<th>Elevation</th>
<th>Lithologic Description</th>
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### Castings:
- **Type:** Steel
- **Depth (m):** 76.2
- **Bottom (m):** 76.2
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Formation Packer
- **from (m):** to 27.4

### Liner:
- **Type:** Steel
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - from (m): to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** 9.1
- **Time (minute):** 360.0
- **Level End (m):** 35.0
- **Drawdown (m):** 24.4
- **Rec’d intake (m):** 45.7
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Laboratory:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data: Yes**
- **Well Field Verified: No**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02763

Well Owner: Vanneck, John

Elevation (AMSL) (m): 755
AEP: 260945
Licence No.: Easting: 70,305.43
Date Started: 31 Dec 85
Northing: 5,941,566.00
Date Completed: 31 Dec 85

Water Well Positioned by PFRA in 10TM NAD 27

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 41.2 m
- NPWL (m): 9.8
- Verified NPWL (m): Abandonment:

Casing:
- Type: Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

Liner:
- Type: OD (mm): Thickness (mm): 114.3 0.1
- Top (m): Bottom (m): 40.8
- Perforated How: Unknown
- from (m): 31.7 to 40.8 Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material: OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m): 36.6
- Testing:
  - Rate (lpm): 22.8 Time (minute): 420.0
  - Level End (m): 36.6 Drawdown (m): 26.8
  - Rec'd intake (m): 36.6 Rec'd Rate (lpm): 22.8

Laboratory:
- 21 Jan 86
- pH (pH unit): 7.70
- Cond. (µS/cm): 811.0
- TDS: 457.0
- Sodium: 20.93
- Potassium: 2.35
- Calcium: 125.05
- Magnesium: 25.05
- Carbonate: DIC
- Bicarbonate: 513.70
- Aluminium: Barium
- Sulphate: 29.78
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: 0.68
- TOC: Copper
- Silica: 19.40
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**NE 05-054-27 W4M**

**Well Owner:** Wales, N.  
**Drilling Contractor:** Unknown Driller  

**Well Number:** 02764  
**Elevation (AMSL) (m):** 762  
**AEP:** 260951  
**Date Started:**  
**Easting:** 70,000.04  
**Northing:** 5,941,514.50  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth (m):** 37.5  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **Open Hole:** from (m): to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd Rate (lpm):** Rec'd intake (m):  

### Laboratory:
- **pH (pH unit):** 7.60  
- **Cond. (µS/cm):** 849.0  
- **TDS:** 492.0  
- **Sodium:** 39.10  
- **Potassium:** 2.35  
- **Calcium:** 119.04  
- **Magnesium:** 27.00  
- **Carbonate:**  
- **Bicarbonate:** 591.80  
- **Aluminium:**  
- **Barium:**  
- **Sulphate:** 12.01  
- **Chloride:**  
- **Fluoride:** 0.10  
- **Iron:** 7.10  
- **TOC:**  
- **Silica:** 16.40  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 28.4 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- ** Seal Type:**
- **from (m):** to

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** Un
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 7.80
- **Cond. (µS/cm):** 800.0
- **TDS:** 411.0
- **Sodium:** 57.96
- **Potassium:** 2.35
- **Calcium:** 83.97
- **Magnesium:** 16.05
- **Carbonate:** DIC
- **Bicarbonate:** 456.96
- **Aluminum:** Barium
- **Sulphate:** 25.94
- **Chloride:** Cadmium
- **Fluoride:** 0.15
- **Iron:** 0.20
- **TOC:**
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 02765

**Well Owner:** Wilchynski, M.
**Elevation (AMSL) (m):** 762
**AEP:** 260891
**Date Started:**
**Northing:** 5,941,514.50
**NE 05-054-27 W4M**

**Well Number:** 02766

**Well Owner:** Wolf, Marvin/Lorraine

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 762

**Licence No.:** 167581

**Date Started:**

**Easting:** 70,000.04

**Northing:** 5,941,514.50

**Date Completed:**

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**General:**

- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 21.3 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**

- Type: \( \) Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: \( \) to

**Liner:**

- Type: \( \) Bottom (m):
- OD (mm): Thickness (mm):
- Top (m): \( \) to
- Perforated How: \( \) to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**

- Material: \( \) to Size:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- Model: Intake (m):

**Testing:**

- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

---

**Laboratory:**

- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Iron Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Database:** Project: 1.000H

**AEP Data:** Yes  Well Field Verified: No
**General:**
- **Type of Work:** Coal Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 18.3 (m)  
**NPWL (m):** Verified NPWL (m):

**Abandonment:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **07 Jan 81**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

- **pH (pH unit):** 7.80  
- **COD:** Mercury
- **Cond. (µS/cm):** 925.0  
- **SAR:** Nickel
- **TDS:** 453.0  
- **TKN:** Selenium
- **Sodium:** 8.05  
- **Nitrate:** Strontium
- **Potassium:** 2.35  
- **Nitrite:** Molybdenum
- **Calcium:** 121.04  
- **TN:** Vanadium
- **Magnesium:** 38.06  
- **TC:** Zinc
- **Carbonate:** DIC  
- **Hydroxide:**
- **Bicarbonate:** 544.21  
- **Arsenic:** Total Hardness 458.00
- **Aluminum:** Barium  
- **Manganese:**
- **Sulphate:** 14.89  
- **Beryllium:** Phosphate
- **Chloride:** Cadmium  
- **Ion Balance:** 1.03
- **Fluoride:** 0.33  
- **Chromium:** Amm. Nitrogen
- **Iron:** 3.20  
- **Cobalt:** Total Phosphate
- **TOC:** Copper  
- **Total Alkalinity:** 446.0
- **Silica:** 17.00  
- **Lead:** Nitrate & Nitrite

**Electric Log:** No  
**Transmissivity:** m²/day
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.00H
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
**NH 05-054-27 W4M**

**Well Number:** 02768  
**Well Owner:** Merkosky, Rick & Monica  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 759  
**AEP:** 260861

<table>
<thead>
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<th>Well Use</th>
<th>Domestic</th>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Completed Depth</td>
<td>18.3</td>
<td>Verified NPWL (m):</td>
<td>No Lithologic Information Available</td>
<td></td>
</tr>
<tr>
<td>NPWL (m):</td>
<td></td>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**  
Type: Steel  
Depth (m): 7.3  
Bottom (m): 7.3  
OD (mm): Thickness (mm):  
Seal Type: from (m): to  

**Liner:**  
Type:  
OD (mm): Thickness (mm):  
Top (m): Bottom (m):  
Perforated How: from (m): to Size:  
from (m): to Size:  
from (m): to Size:  

**Screen:**  
Material:  
OD (mm): from (m): to Size:  
from (m): to Size:  

**Open Hole:**  
from (m): to  

**Pump:**  
Model: Intake (m):  

**Testing:**  
Rate (lpm): Time (minute):  
Level End (m): Drawdown (m):  
Rec'd intake (m): Rec'd Rate (lpm):  

**Laboratory:**  
09 Aug 78  
pH (pH unit): 7.80  
Cond. (µS/cm): 799.0  
TDS: 470.0  
Sodium: 11.96  
Nitrate: Strontium  
Potassium: 2.35  
Nitrite: Molybdenum  
Calcium: 123.05  
TN: Vanadium  
Magnesium: 31.01  
TC: Zinc  
Carbonate: DIC: Hydroxide  
Bicarbonate: 519.20  
Arsenic: Total Hardness: 436.00  
Aluminum: Barium: Manganese  
Sulphate: 43.23  
Beryllium: Phosphate  
Chloride: 2.84  
Cadmium: Ion Balance: 0.98  
Fluoride: 0.30  
Chromium: Amm. Nitrogen  
Iron: 0.49  
Cobalt: Total Phosphate  
TOC: Copper: Total Alkalinity: 428.0  
Silica: 19.50  
Lead: Nitrate&Nitrile N  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

**Printing Information:**

 printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 02770  
**Well Owner:** Apostol, Dale  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 752  
**AEP:** 260860  
**Date Started:**  
**Easting:** 69,226.27  
**Nortthing:** 5,941,512.50  
**Date Completed:**  
**Licence No.:**  

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 27.1 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  

### Liner:
- **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  

### Screen:
- **Material:**  
  - **OD (mm):** from (m): to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
  - **Intake (m):**  
  - **Rate (lpm):** Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes Well Field Verified: No  

### Remarks:
**Water Well Positioned by PFRA in 10TM NAD 27**

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*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on 2/20/98*
**Well Number:** 02771

**Well Owner:** Bennett, Dale

**Drilling Contractor:** Measures, Clark Drilling

**Elevation (AMSL) (m):** 752

**AEP:** 260733

**Licence No.:**

**Easting:** 69,226.27

**Nothing:** 5,941,512.50

**Date Started:** 12 May 83

**Date Completed:** 12 May 83

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### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 (m)
- **NPWL (m):** 16.8
- **Verified NPWL (m):** 16.8
- **Abandonment:**

### Casing

- **Type:** Galvanized Steel
- **Depth (m):** 31.7
- **Bottom (m):** 31.7
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven

### Liner

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How

- **from (m):**
- **to**
- **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole

- **from (m):**
- **to**
- **Size:**

### Pump

- **Model:**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 7.6
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 18.2

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### Laboratory

- **pH (pH unit):** 7.40
- **Cond. (µS/cm):** 891.0
- **TDS:** 509.0
- **Sodium:** 86.02
- **Potassium:** 2.35
- **Calcium:** 91.98
- **Magnesium:** 14.96
- **Carbonate:**
- **Bicarbonate:** 572.88
- **Aluminum:**
- **Barium:**
- **Sulphate:** 29.78
- **Chloride:**
- **Fluoride:** 0.07
- **Iron:** 1.26
- **TOC:**
- **Silica:** 13.40
- **COD:**
- **SAR:**
- **TKN:**
- **Selenium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **Vanadium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:** 292.00
- **Manganese:**
- **Phosphorus:**
- **Beryllium:**
- **Cadmium:**
- **Ion Balance:** 0.96
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:** 470.0
- **Lead:**
- **Nitrate Nitrile N:**
- **Aluminum:**
- **Bicarbonate:**
- **Carbonate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**

### Electric Log

- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Database:** 1.000H
- **AEP Data:** Yes

### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
Well Number: 02772

Well Owner: Bruins, Ben
Drilling Contractor: Grove Drilling Ltd

Elevation (AMSL) (m): 752
AEP: 260748
Licence No.: Easting: 69,226.27
Date Started: 01 Aug 78
Northing: 5,941,512.50
Date Completed: 01 Aug 78

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 50.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment:
Casing:
Type: Steel
Depth (m): 42.1 Bottom (m): 42.1
OD (mm): 114.3 Thickness (mm): 0.0
Seal Type: Driven
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm): from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 63.9 Time (minute): 120.0
Level End (m): Drawdown (m):
Rec'd intake (m): 39.6 Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**Well Number: 02773**

- **Elevation (AMSL) (m):** 755
- **AEP: 260836**
- **Date Started:** 16 Aug 79
- **Easting:** 69,556.10
- **Nothing:** 5,841,374.00
- **Date Completed:** 01 Sep 79

### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 24.7 (m)
- **NPWL (m):** 9.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Driven
- **from (m):** to 21.9

### Liner
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):** Bottom (m): 21.9
- **Perforated How:** Torch
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Rate (lpm):** 54.7
- **Time (minute):** 420.0
- **Level End (m):** 21.3
- **Drawdown (m):** 11.9
- **Rec'd Rate (lpm):** 21.3
- **Rec'd intake (m):** 54.7

### Electric Log: No  Transmissivity: m³/day
- **Gamma Log: No  Storativity:**
- **Aquifer Test: No**
- **Project: Database: 1.000H**
- **AEP Data: Yes  Well Field Verified: No**

### Laboratory: 04 Sep 79
- **pH (pH unit):** 7.30
- **COD:** Mercury
- **Cond. (µS/cm):** 813.0  SAR  Nickel
- **TDS:** 463.0  TKN  Selenium
- **Sodium:** 17.94  Nitrate  Strontium
- **Potassium:** 3.52  Nitrile  Molybdenum
- **Calcium:** 113.03  TN  Vanadium
- **Magnesium:** 35.02  TC  Zinc
- **Carbonate:** 557.02  Arsenic  Total Hardness 424.00
- **Bicarbonate:** 19.21  Beryllium  Phosphate
- **Aluminum:** 1.48  Barium  Manganese
- **Sulphate:** 0.20  Cadmium  Ion Balance 0.97
- **Chloride:** 1.04  Chromium  Amm. Nitrogen
- **Iron:** 1.48  Cobalt  Total Phosphate
- **TOC:** 18.60  Copper  Total Alkalinity 457.0
- **Silica:** 18.60  Lead  Nitrate&Nitrite N

### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 05-054-27 W4M**

**Well Number:** 02774

**Well Owner:** Ed

**Drilling Contractor:** Grove Drilling Ltd

**Elevation (AMSL) (m):** 752

**AEP:** 260746

**Licence No.:**

**Easting:** 69,226.27

**Date Started:** 03 Nov 78

**Northing:** 5,941,512.50

**Date Completed:** 03 Nov 78

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 50.3 (m)

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 36.9
- **Bottom (m):** 36.9

**OD (mm):** 114.3

**Thicknesnm (mm):** 0.0

**Seal Type:** Driven

**from (m):** to 36.9

---

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation Depth (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.7</td>
<td>741.8</td>
<td>Clay</td>
</tr>
<tr>
<td>27.4</td>
<td>725.0</td>
<td>Sand</td>
</tr>
<tr>
<td>32.0</td>
<td>720.4</td>
<td>Shale &amp; Sandstone</td>
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<tr>
<td>34.8</td>
<td>717.7</td>
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<td>35.7</td>
<td>716.8</td>
<td>Sandstone</td>
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<td>37.5</td>
<td>714.9</td>
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<td>44.5</td>
<td>707.9</td>
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<td>46.6</td>
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<td>47.9</td>
<td>704.6</td>
<td>Coal</td>
</tr>
<tr>
<td>50.3</td>
<td>702.1</td>
<td>Shale</td>
</tr>
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</table>

---

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**

- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 18.2
- **Time (minute):** 480.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Nitrite</td>
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<td>Vanadium</td>
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<td>TC</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H

### AEP Data:

- **Database:** Yes
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on 2/20/98
**Well Number:** 02775  

**Well Owner:** Esch, Ron  
**Drilling Contractor:** Grove Drilling Ltd  

| General: |  
| --- | --- |  
| Type of Work: New Well |  
| Drilling Method: Rotary |  
| Well Use: Domestic |  
| Completed Depth: 54.9 (m) |  
| NPWL (m): | Verified NPWL (m): |  
| Abandonment: |  
| Casing: |  
| Type: Steel |  
| Depth (m): 42.1 | Bottom (m): 42.1 |  
| OD (mm): 114.3 | Thickness (mm): 0.0 |  
| Seal Type: Unknown |  
| from (m): to 32.9 |  
| Liner: |  
| Type: |  
| OD (mm): | Thickness (mm): |  
| Top (m): Bottom (m): |  
| Perforated How: |  
| from (m): to Size: |  
| from (m): to Size: |  
| from (m): to Size: |  
| Screen: |  
| Material: St |  
| OD (mm): 1.2 |  
| from (m): 42.1 to 44.5 | Size: 0.01 |  
| from (m): to Size: |  
| from (m): to Size: |  
| Open Hole: |  
| from (m): to |  
| Pump: |  
| Model: | Intake (m): 24.4 |  
| Testing: |  
| Rate (lpm): 31.9 | Time (minute): 180.0 |  
| Level End (m): | Drawdown (m): |  
| Rec'd intake (m): | Rec'd Rate (lpm): |  

| Laboratory: |  
| --- | --- |  
| pH (pH unit) | COD | Mercury |  
| Cond. (µS/cm) | SAR | Nickel |  
| TDS | TKN | Selenium |  
| Sodium | Nitrate | Strontium |  
| Potassium | Nitrite | Molybdenum |  
| Calcium | TN | Vanadium |  
| Magnesium | TC | Zinc |  
| Carbonate | DIC | Hydroxide |  
| Bicarbonate | Arsenic | Total Hardness |  
| Aluminium | Barium | Manganese |  
| Sulphate | Beryllium | Phosphate |  
| Chloride | Cadmium | Ion Balance |  
| Fluoride | Chromium | Amm. Nitrogen |  
| Iron | Cobalt | Total Phosphate |  
| TOC | Copper | Total Alkalinity |  
| Silica | Lead | Nitrate&Nitrite N |  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.  

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):** 18.3
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 37.5
- **Bottom (m):** 37.5
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 37.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 48.8
- **Perforated How:** Machine
- **from (m):** 42.7 to 48.8
- **Size:**
- **from (m):** 42.7 to
- **Size:**
- **from (m):** 42.7 to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **Open Hole:**
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 420.0
- **Level End (m):** 42.7
- **Drawdown (m):** 24.4
- **Rec'd intake (m):** 44.8
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Depth Elevation
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<td>6.7</td>
<td>745.7 Clay Brown</td>
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<td>26.2</td>
<td>726.2 Sand</td>
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<td>28.4</td>
<td>724.1 Clay Blue</td>
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<td>38.1</td>
<td>714.3 Shale Green</td>
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<td>41.8</td>
<td>710.7 Sandstone Light Gray</td>
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<td>43.3</td>
<td>709.2 Coal</td>
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<tr>
<td>44.8</td>
<td>707.6 Shale Brown</td>
</tr>
<tr>
<td>48.8</td>
<td>703.7 Shale Gray</td>
</tr>
</tbody>
</table>

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electrical Log:
- **Transmissivity:** m²/day

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 02776**

- **Well Owner:** Fordham, Alix
- **Drilling Contractor:** Marwayne Water Well Drilling Services Lt
- **Elevation (AMSL) (m):** 752
- **AEP:** 260762
- **Licence No.:**
- **Easting:** 69,226.27
- **Northing:** 5,941,512.50
- **Date Started:** 16 Aug 82
- **Date Completed:** 17 Aug 82
- **Remarks:**

---

**Printed on 2/20/98**
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

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<th>Bottom (m):</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tr>
<td>Seal Type:</td>
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<td>to</td>
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<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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</tr>
<tr>
<td>Perforated How:</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td></td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td></td>
<td>from (m):</td>
<td>to</td>
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<th>Material:</th>
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<tr>
<td>OD (mm):</td>
<td>from (m):</td>
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<tr>
<td></td>
<td>from (m):</td>
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<table>
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<tr>
<th>Open Hole:</th>
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<th>to</th>
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<table>
<thead>
<tr>
<th>Pump:</th>
<th>Model:</th>
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<tbody>
<tr>
<td>Intake (m):</td>
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<table>
<thead>
<tr>
<th>Testing:</th>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
<td></td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<th>07 Jun 82</th>
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<td>Silica:</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

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<th>Electric Log:</th>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27.
**Well Number: 02778**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
  - **Depth (m):** 35.0
  - **Bottom (m):** 35.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packer
  - from (m): to 35.0

**Liner:**
- **Type:** Plastic
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
  - **Top (m):** 35.0
  - **Bottom (m):** 63.1
- **Perforated How:** Machine
  - from (m): to 63.1
  - Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 48.8
- **Drawdown (m):** 18.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Vanadium:**
- **Cadmium:**
- **Arsenic:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Aluminum:**
- **Bicarbonate:**
- **Hydroxide:**
- **TOTAL HARDNESS:**
- **Chromium:**
- **Chloride:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Total Phosphate:**
- **Silica:**
- **Laboratory:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Vanadium:**
- **Cadmium:**
- **Arsenic:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Aluminum:**
- **Bicarbonate:**
- **Hydroxide:**
- **TOTAL HARDNESS:**
- **Chromium:**
- **Chloride:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Total Phosphate:**
- **Silica:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Well Positioned by PFRA in 10TM NAD 27**

---

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth (m):** 31.1
- **NPWL (m):** 11.0
- **Elevation (AMSL):** 69.226.27
- **Licence No.:** Easting: 69,226.27
- **Date Started:** 07 Nov 79
- **Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd
- **Date Completed:** 09 Nov 79

**Casing:**

- **Type:** Galvanized Steel
- **Depth (m):** 29.6
  - Bottom (m): 29.6
- **OD (mm):** 114.3
  - Thickness (mm): 4.0
- **Seal Type:** Clay & Rocks
  - Elevation (m): 749.4
  - Size: 11.0
- **Liner:** Sand & Gravel
  - Elevation (m): 748.5
  - Size: 748.5

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
  - from (m): 29.6
    - Top (m): 30.8
      - Size: 0.01
  - from (m): 29.6
    - Bottom (m): Size:

**Open Hole:**

- **from (m):**
  - to

**Pump:**

- **Model:** Sub
- **Intake (m):** 29.0

**Testing:**

- **Rate (lpm):** 9.1
  - Time (minute): 240.0
  - Drawdown (m): 18.0
- **Rec'd intake (m):** 28.4
  - Rec'd Rate (lpm): 9.1

**Laboratory:**

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<tr>
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<th>7.90</th>
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<tbody>
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</table>

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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<tbody>
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<td>3.1</td>
<td>749.4 Clay &amp; Rocks</td>
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<tr>
<td>4.0</td>
<td>748.5 Sand &amp; Gravel</td>
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<tr>
<td>10.4</td>
<td>742.1 Clay</td>
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<td>11.3</td>
<td>741.2 Shale Brown</td>
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<td>740.5 Clay</td>
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<td>13.1</td>
<td>739.3 Sand</td>
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<td>18.0</td>
<td>734.5 Clay</td>
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<tr>
<td>23.8</td>
<td>728.7 Shale Gray</td>
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<td>25.0</td>
<td>727.4 Shale Green</td>
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<tr>
<td>29.9</td>
<td>722.6 Shale Sandy Gray</td>
</tr>
<tr>
<td>31.1</td>
<td>721.3 Coal</td>
</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 21.6
- **Bottom (m):** 21.6
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 21.6 to 22.9
- **Size:** 0.01
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 02780

**Well Owner:** Heffewan, Bernard

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 752

**AEP:** 264139

**Licence No.:** Easting: 69,226.27

**Date Started:** 10 Jul 81

**Norting:** 5,941,512.50

**Date Completed:** 13 Jul 81

**New Well**

**Rotary**

**Domestic**

**Clay** Yellow

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.3</td>
<td>748.2</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>24.7</td>
<td>727.7</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>27.4</td>
<td>725.0</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>
Well Number: 02781

Well Owner: Ivanenko, George
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Drilling Method: Rotary
Well Use: Domestic

Completed Depth: 46.9 (m)
NPWL (m): 12.2

Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 24.4
Bottom (m): 24.4
OD (mm): 141.2
Thickness (mm):

Seal Type: Formation Seal
from (m): to 24.4

Liner:
Type: Galvanized Steel
OD (mm): 114.3
Thickness (mm):
Top (m): Bottom (m): 46.0

Perforated How: Torch
from (m): 24.4 to 46.0
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 16.0
Time (minute): 420.0
Level End (m): 24.4
Drawdown (m): 12.2
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
NW 05-054-27 W4M

Well Owner: Jungwrith, Linda
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 752
AEP: 260858
Licence No.: Unknown
Date Started: 69,226.27
Date Completed: 5,941,512.50

Well Number: 02782

**General:**
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 24.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

**Casing:**
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

**Liner:**
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

**Open Hole:**
from (m): to

**Pump:**
Model: Intake (m):
Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
10 Feb 88
pH (pH unit): 8.20
Cond. (µS/cm): 773.0
TDS: 466.0
Sodium: 198.03
Potassium: 0.39
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: 508.21
Aluminium: Barium
Sulphate: 14.89
Chloride: Cadmium
Fluoride: 0.06
Iron: Cobalt
TOC: Copper
Silica: 16.50

**Electric Log:**
Transmissivity: m²/day
Gamma Log:
Aquifer Test:
Project:
AEP Data: Yes

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Printed on: 2/20/98

Water Well Positioned by PFRA in 10TM NAD 27
**NW 05-054-27 W4M**

**Well Owner:** Kennedy, Ken  
Drilling Contractor: Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 752  
**AEP:** 260757  
**Licence No.:**  
**Date Started:** 27 Sep 79  
**Date Completed:** 28 Sep 79

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<thead>
<tr>
<th>Depth</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>61.0</td>
<td>Clay &amp; Silt</td>
<td></td>
</tr>
<tr>
<td>36.6</td>
<td>Sand Fine Grained</td>
<td></td>
</tr>
<tr>
<td>49.3</td>
<td>Sand Coarse Grained</td>
<td></td>
</tr>
<tr>
<td>33.2</td>
<td>Sand &amp; Silt Fine Grained</td>
<td></td>
</tr>
<tr>
<td>35.4</td>
<td>Clay &amp; Rocks</td>
<td></td>
</tr>
<tr>
<td>36.6</td>
<td>Shale Yellow</td>
<td></td>
</tr>
<tr>
<td>40.8</td>
<td>Sandstone Light Gray</td>
<td></td>
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<tr>
<td>42.1</td>
<td>Shale Brown</td>
<td></td>
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<tr>
<td>42.7</td>
<td>Coal</td>
<td></td>
</tr>
<tr>
<td>52.4</td>
<td>Shale Mixed</td>
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<tr>
<td>54.3</td>
<td>Shale Green</td>
<td></td>
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<td>55.2</td>
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<td>Coal</td>
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<tr>
<td>59.1</td>
<td>Shale Brown</td>
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</tr>
<tr>
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</table>

**Laboratory:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td></td>
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<tr>
<td>Carbonate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bicarbonate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum</td>
<td></td>
<td></td>
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<tr>
<td>Sulphate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chloride</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 05-054-27 W4M**

**Well Owner:** Klemm, Ed S.  
**Drilling Contractor:** Unknown Driller

**Well Number:** 02784  
**Elevation (AMSL) (m):** 752  
**AEP:** 260749  
**Easting:** 69,226.27  
**Northing:** 5,941,512.50

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic  
- **Completed Depth:** 64.0 m  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**  
- **Intake (m):**

### Testing
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory
- **27 Sep 79**
- **pH (pH unit):** 8.10  
- **COD:**  
- **SAR:** 745.0  
- **TKN:** 473.0  
- **Sodium:** 106.03  
- **Nitrate:** Strontium  
- **Potassium:** 1.96  
- **Nitrite:** Molybdenum  
- **Calcium:** 59.92  
- **Vanadium:**  
- **Magnesium:** 13.98  
- **TC:** Zinc  
- **Carbonate:**  
- **DIC:** Hydroxide  
- **Bicarbonate:** 488.08  
- **Arsenic:** Total Hardness 208.00  
- **Barium:** Manganese  
- **Sulphate:** 49.95  
- **Beryllium:** Phosphate  
- **Chloride:** Cadmium  
- **Ion Balance:** 0.97  
- **Fluoride:** 0.48  
- **Chromium:** Amm. Nitrogen  
- **Iron:** 5.52  
- **Cobalt:** Total Phosphate  
- **TOC:** Copper  
- **Total Alkalinity:** 400.0  
- **Silica:** 11.10  
- **Lead:** Nitrate&Nitrite N  

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No

**Project:**  
**Database:** 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 74.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
    - from (m):
    - to

### Liner:
- **Type:**
  - OD (mm):
  - Top (m):
  - Perforated How:
    - from (m):
    - to
    - Size:
    - from (m):
    - to
    - Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation
<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(No Lithologic Information Available)</td>
</tr>
</tbody>
</table>

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 02785**
- **Well Owner:** Kornicki, John
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 751
- **AEP:** 156831
- **Date Started:**
- **Date Completed:**
- **Easting:** 66,848.89
- **Northing:** 5,941,672.50
- **Licence No.:**
- **Project:** 1.000H
- **Database:** AEP Data: Yes
- **Well Field Verified:** No
- **Transmissivity:** m²/day
- **Storativity:**
- **Aqurifer Test:** No
- **Electric Log:** No
- **Gamma Log:** No
- **AEP Data:** Yes
- **Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**Well Number: 02786**

Well Owner: Lawrence, Paulgaard  
Drilling Contractor: Unknown Driller

**Elevation (AMSL) (m): 752**  
**AEP: 260855**  
**Date Started:**  
**Date Completed:**  
**Easting:** 69,226.27  
**Northing:** 5,941,512.50

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

#### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

#### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

#### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

#### Open Hole:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: AEP Data: Yes Well Field Verified: No

**Transmissivity:** m²/day  
**Storativity:**  
**Aquifer Test:** No  
**Electric Log:** No  
**Gamma Log:** No  
**Amm. Nitrogen:**  
**Cadmium Ion Balance:**  
**Chloride:**  
**Sulphate:**  
**Iron:**  
**Total Alkalinity:**  
**Bicarbonate:**  
**Barium Manganese:**  
**Fluoride:**  
**Copper Total Phosphate:**  
**Lead Nitrate&Nitrite N:**  

**Portable Water Well Positioning:** Yes

**Project Number:** 1.000H  
**Well FieldVerified:** No

Printed on: 2/20/98
**Well Number: 02787**

**Well Owner:** Moser, Kevin

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 757

**Licence No.:** AEP: 161746

**Date Started:**

**Norting:** 5,941,643.50

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 109.7 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **Vanadium:**
- **TC:**
- **Aluminum:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on 2/20/98
**NW 05-054-27 W4M**

**Well Number:** 02788

**Well Owner:** Pat Yem

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 752

**AEP:** 260759

**Licence No.:** Easting: 69,265.15

**Date Started:** 24 Oct 80

**Northing:** 5,941,444.50

**Date Completed:** 27 Oct 80

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<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>NPWL (m): 12.2</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>Verified NPWL (m):</td>
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</tr>
<tr>
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</table>

**Casing:**

Type: Galvanized Steel
Depth (m): 25.9 Bottom (m): 25.9
OD (mm): 114.3 Thickness (mm):
Seal Type: from (m): to

**Liner:**

Type: Galvanized Steel
OD (mm): 0.9 Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

**Screen:**

Material: St
OD (mm): 0.9 from (m): 25.9 to 27.1 Size: 0.01
from (m): to Size:

**Open Hole:**

from (m): to

**Pump:**

Model: Intake (m):

**Testing:**

Rate (lpm): 16.0 Time (minute): 420.0
Level End (m): 19.2 Drawdown (m): 7.0
Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**

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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>TN</td>
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<td>Magnesium</td>
<td>TC</td>
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<td>DIC</td>
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<td>Barium</td>
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<td>Cadmium</td>
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<td>Chromium</td>
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<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Observation

**Completed Depth:** 48.8 (m)  
**NPWL (m):** 16.5  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Steel
- **Depth (m):** 41.8  
- **Bottom (m):** 41.8
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0
- **Seal Type:** Unknown
  - from (m): to 35.0

**Casing:**
- **Type:** Steel
- **Depth (m):** 41.8  
- **Bottom (m):** 41.8
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0
- **Seal Type:** Unknown
  - from (m): to 35.0

**Liner:**
- **Type:** St
- **OD (mm):** 1.2  
- **Thickness (mm):**
  - from (m): to 41.8  
  - to 44.2  
  - Size: 0.01
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.2  
- **Thickness (mm):**
  - from (m): to 41.8  
  - to 44.2  
  - Size: 0.01
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):** 39.6

**Testing:**
- **Rate (lpm):** 22.8  
- **Time (minute):** 600.0
- **Level End (m):** 18.3  
- **Drawdown (m):** 1.8
- **Rec'd intake (m):** 30.5  
- **Rec'd Rate (lpm):**

**Laboratory:**
08 Jul 77
- **pH (pH unit):** 8.15  
- **COD:** Mercury
- **Cond. (µS/cm):** SAR  
- **Nickel:**
- **TDS:** 942.0  
- **TKN:** Selenium
- **Sodium:** Nitrate  
- **Strontium:**
- **Potassium:** Nitrite  
- **Molybdenum:**
- **Calcium:** 79.96  
- **TN:** Vanadium
- **Magnesium:** 21.04  
- **TC:** Zinc
- **Carbonate:** DIC  
- **Hydroxide:**
- **Bicarbonate:** 580.21  
- **Arsenic:** Total Hardness 286.00
- **Aluminium:** Barium  
- **Manganese:**
- **Sulphate:** 207.01  
- **Beryllium:** Phosphate
- **Chloride:** 2.84  
- **Cadmium:** Ion Balance
- **Fluoride:** 0.41  
- **Chromium:** Amm. Nitrogen
- **Iron:** 0.68  
- **Cobalt:** Total Phosphate
- **TOC:** Copper  
- **Total Alkalinity:** 477.0
- **Silica:** Lead  
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
- **(BGL) (AMSL):**
  - **Lithologic Description:**
    - 4.6 747.9 Clay
    - 9.1 743.3 Sand Fine Grained
    - 24.4 728.1 Clay & Sand Fine Grained
    - 39.6 712.8 Lost Circulation
    - 44.2 708.2 Gravel
    - 48.8 703.7 Clay

**Electric Log:** No  
**Transmissivity:** m²/day
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H
**AEP Data:** Yes  
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NW 05-054-27 W4M**

**Well Owner:** Pearce, William C.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 752

**AEP:** 260764

**Licence No.:** Easting: 69,226.27

**Date Started:** Northing: 5,941,512.50

**Date Completed:**

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<th>Lithologic Description</th>
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<td><strong>BGL</strong></td>
<td><strong>AMSL</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
<td>(m)</td>
<td>(m)</td>
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<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 46.0 (m)</td>
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<td><strong>NPWL (m):</strong></td>
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<td><strong>Abandonment:</strong></td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td>Thickness (mm):</td>
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<tr>
<td>from (m):</td>
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<td>Bottom (m):</td>
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<td><strong>OD (mm):</strong></td>
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</tr>
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<td>to</td>
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<th>Open Hole:</th>
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<tr>
<th>Pump:</th>
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<tr>
<td><strong>Model:</strong></td>
<td>Intake (m):</td>
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<td><strong>Level End (m):</strong></td>
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<td><strong>Rec'd Rate (lpm):</strong></td>
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<tr>
<td>Molybdenum</td>
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<td>Zinc</td>
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<td>Hydroxide</td>
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<tr>
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<td>Manganese</td>
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<td>Phosphate</td>
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<td>Nitrate</td>
<td>Nitrite N</td>
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<th>Remarks:</th>
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<tbody>
<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
<td></td>
</tr>
</tbody>
</table>

Water Well Positioned by PFRA in 10TM NAD 27

reasonable effort to ensure accuracy of the data. However, it is always recommended to consult the original source of the data.

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**print on 2/20/98**
**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 91.4 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

**Liner:**
- Type:
  - OD (mm):
  - Top (m):
  - Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

**Depth & Elevation**
- (BGL) (AMSL)
- (m) (m)

**Lithologic Description**
(No Lithologic Information Available)

**Laboratory:**
- 31 Aug 83
- pH (pH unit): 8.00
- Cond. (µS/cm): 906.0
- TDS: 531.0
- Sodium: 216.89
- Potassium: 1.17
- Calcium: TN
- Magnesium: TC
- Carbonate: 599.73
- Bicarbonate: 599.73
- Aluminium: Barium: Manganese
- Sulphate: 14.89
- Chloride: Cadmium: Ion Balance: 0.94
- Fluoride: 0.11
- Iron: 0.28
- TOC: Copper: Total Phosphate
- Silica: 16.20

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**AEP Data:**
- Yes
- Well Field Verified: No

**Printed on:** 2/20/98
**NW 05-054-27 W4M**

**Well Owner:** Renard, Richard  
**Drilling Contractor:** Triple A Dig

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<th>Depth Elevation</th>
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<td><strong>Type of Work:</strong> New Well</td>
<td><strong>BGL</strong> (m)</td>
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<td><strong>(AMSL) (m)</strong></td>
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<td><strong>Lithologic Description</strong></td>
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<td><strong>Completed Depth</strong> 54.9 (m)</td>
<td>4.6 748.0 Clay</td>
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<td>5.5 747.0 Rocks</td>
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<td>18.3 734.2 Clay</td>
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<td><strong>Casing:</strong></td>
<td>21.3 731.2 Clay Blue</td>
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<td><strong>Type:</strong> Steel</td>
<td>21.6 730.9 Coal Fine Grained</td>
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<tr>
<td><strong>Depth (m):</strong> 26.8</td>
<td>26.8 725.7 Clay</td>
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<td><strong>Bottom (m):</strong> 26.8</td>
<td>27.4 725.1 Sandstone Green</td>
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<tr>
<td><strong>OD (mm):</strong> 177.8</td>
<td>31.1 721.4 Shale Brown</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
<td>37.8 714.7 Shale Green</td>
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<td><strong>Seal Type:</strong> from (m):</td>
<td>40.8 711.7 Shale Brown</td>
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<tr>
<td>to</td>
<td>41.2 711.4 Shale Hard Green</td>
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<tr>
<td><strong>Liner:</strong></td>
<td>41.8 710.8 Coal</td>
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<td><strong>Type:</strong> Steel</td>
<td>45.7 706.8 Shale Brown</td>
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<td><strong>OD (mm):</strong> 114.3</td>
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<td><strong>Top (m):</strong> 54.3</td>
<td>54.9 697.7 Shale Brownish Green</td>
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<td><strong>Bottom (m):</strong> 54.3</td>
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**Screen:**  
**Material:** from (m): to Size:
**OD (mm):** from (m): to Size:
**Type:** from (m): to Size:

**Open Hole:**  
**from (m): to**

**Pump:** Sub  
**Model:** Berley  
**Intake (m):**

**Testing:**  
**Rate (lpm):** 18.2  
**Time (minute):** 180.0  
**Level End (m):** 53.6  
**Drawdown (m):** 45.4  
**Rec'd intake (m):** 51.8  
**Rec'd Rate (lpm):**

**Laboratory:**  
**27 Jan 78**

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
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<td><strong>K:</strong> 2.35</td>
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<td><strong>Ca:</strong> 87.98</td>
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<td><strong>Mg:</strong> 17.02</td>
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<td><strong>TOC:</strong> 17.90</td>
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<td><strong>Silica:</strong> 17.90</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 05-054-27 W4M**

**Well Owner:** Slater, John  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 752  
**AEP:** 260760  
**Date Started:**  
**Date Completed:**

**Well Number:** 02793  
**Licence No.:**  
**Easting:** 69,226.27  
**Northing:** 5,941,512.50

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

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<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Verif NPWL (m):</th>
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<tr>
<td>31.4</td>
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Abandonment:

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - from (m): to

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:

### Screen
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m): to Size:  
- **from (m): to Size:  

### Open Hole
- **from (m): to**

### Pump
- **Model:**  
- **Rate (lpm):** Intake (m):  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Testing
**19 Mar 81**

<table>
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<td>Potassium</td>
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<td>SAR</td>
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<td>Br</td>
<td>0.95</td>
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<tr>
<td>Cu</td>
<td>0.95</td>
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<tr>
<td>Ni</td>
<td>0.95</td>
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<tr>
<td>As</td>
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<td>Zn</td>
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<td>Mn</td>
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<td>Ca</td>
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<tr>
<td>Si</td>
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<tr>
<td>Mg</td>
<td>0.95</td>
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<tr>
<td>Al</td>
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<tr>
<td>Be</td>
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<tr>
<td>Si</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 05-054-27 W4M**

**Well Number: 02794**

**Well Owner:** Stokes, Mrs. M.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 752

**AEP:** 264145

**Date Started:**

**Easting:** 69,226.27

**Nothing:** 5,941,512.50

**Date Completed:**

---

### General

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

### Screen

- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):**

### Open Hole

- **from (m):** to

### Pump

- **Model:** Intake (m):

### Testing

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory

- **04 Jan 82**

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<td>Cadmium</td>
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<td>Silica</td>
<td>17.30</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</table>

### Electric Log

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Total Hardness 353.00
- **Total Alkalinity:** 412.0
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 05-054-27 W4M**

Well Owner: **Suvan Fettig Assc.**  
Drilling Contractor: **Grove Drilling Ltd**

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<th>Well Number</th>
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<tr>
<td>Elevation (AMSL) (m):</td>
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<td>AEP:</td>
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<td>Date Started:</td>
<td>26 Jan 76</td>
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<tr>
<td>Northing:</td>
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<td>Date Completed:</td>
<td>27 Jan 76</td>
</tr>
<tr>
<td>Easting:</td>
<td>5,941,512.50</td>
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</tbody>
</table>

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

### Completion Details:
- **Completed Depth:** 45.7 m  
- **NPWL (m):** 14.4  
- **Verif NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm): 0.1  
- **Top (m):** Bottom (m): 44.5

### Perforation:
- **Top (m):** Bottom (m):  
- **Size:** from (m): to

### Screen:
- **Material:**
- **OD (mm):** from (m): to
- **Thickness (mm):** from (m): to

### Open Hole:
- **Bottom (m): Top (m):**

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** 16.0  
- **Time (minute):** 840.0  
- **Level End (m):** Drawdown (m): 15.9
- **Rec’d intake (m):** Rec’d Rate (lpm): 18.2

### Laboratory:
- **Date:** 19 Feb 76
- **pH (pH unit):** 8.50  
- **COD:** Mercury
- **Cond. (µS/cm):** 800.0  
- **SAR:** Nickel
- **TDS:** 544.0  
- **TKN:** Selenium
- **Sodium:** 120.06  
- **Nitrate:** Strontium
- **Potassium:** 2.35  
- **Nitrite:** Molybdenum
- **Calcium:** 81.96  
- **TN:** Vanadium
- **Magnesium:** 11.07  
- **TC:** Zinc
- **Carbonate:** 29.10  
- **DIC:** Hydroxide
- **Bicarbonate:** 488.69  
- **Arsenic:** Total Hardness 250.00
- **Aluminum:** Barium  
- **Manganese:**
- **Sulphate:** 60.04  
- **Beryllium:** Phosphorus
- **Chloride:** Cadmium  
- **Ion Balance:** 1.00
- **Fluoride:** 0.21  
- **Chromium:** Amm. Nitrogen
- **Iron:** 0.20  
- **Cobalt:** Total Phosphate
- **TOC:** Copper  
- **Total Alkalinity:** 449.0
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  

### Lithologic Description:
- **Depth (m):** Elevation (BGL) (m):  
- **Type:**
- **0.3:** 752.1 Till
- **1.8:** 750.6 Clay
- **4.6:** 747.9 Gravel
- **12.2:** 740.2 Clay Sandy
- **15.2:** 737.2 Clay & Sand Yellow
- **24.4:** 728.1 Clay
- **26.5:** 725.9 Sand
- **39.3:** 713.1 Shale
- **39.6:** 712.8 Rocks
- **45.1:** 707.3 Sandstone
- **45.7:** 706.7 Shale

### Water Well Positioning:
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 37.2 m
- **NPWL (m):** 21.6
- **Elevation (AMSL) (m):** 752
- **Lithologic Description**
  - 9.1 743.3 Clay & Sand
  - 22.9 729.6 Shale
  - 25.9 726.5 Sandstone
  - 27.4 725.0 Shale
  - 29.0 723.5 Coal
  - 33.5 718.9 Shale
  - 37.2 715.3 Coal

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):**
- **Bottom (m):** 37.2

### Liner:
- **Type:** Torch
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole:
- **OD (mm):**
- **Thickness (mm):**

### Pump:
- **Model:**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 35.0
- **Rec'd intake (m):** 35.0

### Laboratory:
- **pH (pH unit):** 8.20
- **Cond. (µS/cm):** 755.0
- **TDS:** 539.0
- **Sodium:** 160.08
- **Nitrate:** 1.96
- **Calcium:** 24.05
- **Magnesium:** 4.01
- **Potassium:** 1.00
- **Barium:** 14.40
- **Boron:** 538.11
- **Arsenic:** 1.14
- **Fluoride:** 0.23
- **Iron:** 1.14
- **TOC:** 14.40

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 35.0
- **Rec'd Rate (lpm):** 31.9

### Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 02797**

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Owner: Takhar, Pal</td>
<td>39.6 (m)</td>
<td>(No Lithologic Information Available)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>NPWL (m): 69,226.27</td>
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<tr>
<td>Completed Depth: 39.6 (m)</td>
<td>Verified NPWL (m):</td>
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<tr>
<td>Drilling Contractor: Unknown Driller</td>
<td>Abandonment:</td>
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</tr>
<tr>
<td>Well Use: Domestic</td>
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<td></td>
</tr>
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</table>

**Laboratory:**

- **pH (pH unit):** 8.60
- **Cond. (µS/cm):** 874.0
- **TDS:** 491.0
- **Sodium:** 189.98
- **Potassium:** 1.96
- **Calcium:** 4.01
- **Magnesium:** 4.01
- **Carbonate:** 15.00
- **Bicarbonate:** 532.82
- **Aluminium:** 14.89
- **Sulphate:** 14.89
- **Chloride:** 4.01
- **Fluoride:** 0.10
- **Iron:** 0.10
- **TOC:** 15.00
- **Silica:** 15.00

**Chemical Constituents are in mg/l (ppm).** Except as noted.

- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrates:** Strontium
- **Nitrites:** Molybdenum
- **Beryllium:** Zinc
- **Nickel:** Hydroxide
- **Arsenic:** Total Hardness 14.00
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance 0.89
- **Chromium:** Amm. Nitrogen
- **Copper:** Total Phosphate
- **Copper:** Total Alkalinity 463.0
- **Lead:** Nitrate & Nitrite N

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Ion Balance:**
**Project:** Database: 1.000H

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 02797

**AEP:** 260763
**Elevation (AMSL) (m):** 752
**Date Started:**
**Date Completed:**
**Lithologic Description:**

**Remarks:**

- Chemical Constituents are in mg/l (ppm) Except as noted.

**Well Field Verified:** No
**NW 05-054-27 W4M**

**Well Owner:** Viselte, Kevin  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt  
**Elevation (AMSL) (m):** 752  
**AEP:** 153164  
**Licence No.:**  
**Date Started:** 28 Aug 90  
**Date Completed:** 29 Aug 90  
**Easting:** 69,226.27  
**Northing:** 5,941,512.50

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)  
  **NPWL (m):** 11.6  
  **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 34.8  
  - **Bottom (m):** 34.8
  - **OD (mm):** 141.2  
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 34.8

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 33.8  
  **Bottom (m):** 57.9
- **Perforated How:** Other
  - **from (m):** to 57.9
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**  
- **OD (mm):**  
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 27.4  
  **Time (minute):** 240.0
- **Level End (m):** 45.7  
  **Drawdown (m):** 34.1
- **Rec’d intake (m):**  
  **Rec’d Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury
- **Cond. (µS/cm):**  
- **SAR:** Nickel
- **TDS:**  
- **TKN:** Selenium
- **Sodium:** Nitrate  
  **Strontium:**
- **Potassium:** Nitrite  
  **Molybdenum:**
- **Calcium:** TN  
  **Vanadium:**
- **Magnesium:** TC  
  **Zinc:**
- **Carbonate:** DIC  
  **Hydroxide:**
- **Bicarbonate:** Arsenic  
  **Total Hardness:**
- **Aluminum:** Barium  
  **Manganese:**
- **Sulphate:** Beryllium  
  **Phosphate:**
- **Chloride:** Cadmium  
  **Ion Balance:**
- **Fluoride:** Chromium  
  **Amm. Nitrogen:**
- **Iron:** Cobalt  
  **Total Phosphate:**
- **TOC:** Copper  
  **Total Alkalinity:**
- **Silica:** Lead  
  **Nitrates&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 65.5 m
  - NPWL (m): 65.5
  -Verified NPWL (m): 65.5
- **Abandonment:**

**Casing:**
- **Type:** Steel
  - Depth (m): 56.7
  - Bottom (m): 56.7
- **OD (mm):** 141.2
  - Thickness (mm): 0.1
- **Seal Type:** Driven
  - from (m): 56.7
  - to: 56.7

**Liner:**
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 65.5
  - Bottom (m): 65.5
- **Perforated How:** Machine
  - from (m): 57.3
  - to: 63.4

**Screen:**
- **Material:**
  - OD (mm):
    - from (m): to: Size:
    - from (m): to: Size:

**Open Hole:**
- **from (m):** to:

**Pump:**
- Model: Intake (m):

**Testing:**
- **Rate (lpm):** 18.2
  - Time (minute):
- **Level End:**
  - Drawdown (m):
  - Rec'd intake (m): 57.9
  - Rec'd Rate (lpm): 18.2

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbontae:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.”

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
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<td>748.3</td>
<td>Till Sandy Brown</td>
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<tr>
<td>5.8</td>
<td>744.3</td>
<td>Sand &amp; Gravel</td>
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<tr>
<td>9.1</td>
<td>741.0</td>
<td>Till Sandy Brown</td>
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<tr>
<td>15.5</td>
<td>734.6</td>
<td>Sand &amp; Gravel</td>
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<td>25.0</td>
<td>725.1</td>
<td>Shale &amp; Coal Brownish Gray</td>
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<td>28.7</td>
<td>721.5</td>
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<td>710.2</td>
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<tr>
<td>65.5</td>
<td>684.6</td>
<td>Siltstone Greenish Gray</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 02799

**Well Owner:** Wrolson

**Drilling Contractor:** McAuley Drilling Co. Ltd.

**Elevation (AMSL) (m):** 750

**AEP:** 260845

**Licence No.:** Easting: 68,854.66
Northing: 5,941,184.00

**Date Started:** 10 Sep 83

**Date Completed:** 12 Sep 83

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No
**SE 05-054-27 W4M**

**Well Owner:** AI  
**Drilling Contractor:** Grove Drilling Ltd

**Elevation (AMSL) (m):** 750  
**AEP:** 260544  
**Licence No.:** 70,093.85  
**Easting:** 70,093.85  
**Northing:** 5,940,731.00  
**Date Started:** 30 Sep 77

**Depth Elevation (BGL) (AMSL)**

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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>8.8</td>
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<td>Clay</td>
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<td>20.7</td>
<td>729.1</td>
<td>Coal</td>
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<td>21.9</td>
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<td>67.1</td>
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**General:**

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Casing:**

- **Type:** Steel  
- **Depth (m):** 59.7  
- **Bottom (m):** 59.7  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0  
- **Seal Type:** Driven  
- **from (m):** to 59.7

**Liner:**

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**

**Screen:**

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Thickness (mm):**  
- **from (m):** to  
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**  
- **Intake (m):** 57.9

**Testing:**

- **Rate (lpm):** 22.8  
- **Time (minute):** 320.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):** 57.9  
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Strontium  
- **Nitrate:** Selenium  
- **Sulfate:** Molybdenum  
- **Calcium:** Manganese  
- **Magnesium:** Zinc  
- **Carbonate:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Barium:** Arsenic  
- **Aluminium:** Total Phosphate  
- **Beryllium:** Phosphate  
- **Cadmium:** Iron Balance  
- **Chromium:** Amm. Nitrogen  
- **Fluoride:** Cobalt  
- **Chloride:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Silica:** Lead  
- **ToC:** Nitrate&Nitrite N  
- **DIC:** Total Hardness  
- **Barium:** Phosphate  
- **Beryllium:** Phosphate  
- **Cadmium:** Iron Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Lead:** Total Alkalinity  
- **Nitrate:** Phosphate  
- **Phosphate:** Phosphate  
- **Iron:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Silica:** Lead  
- **Calcium:** Phosphate  
- **Manganese:** Phosphate  
- **Magnesium:** Phosphate  
- **Phosphorus:** Phosphate  
- **Strontium:** Phosphate  
- **Sodium:** Phosphate  
- **Sulfate:** Phosphate  
- **ToC:** Phosphate  
- **DIC:**  
- **Barium:** Phosphate  
- **Beryllium:** Phosphate  
- **Cadmium:** Iron Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Lead:** Total Alkalinity  
- **Nitrate:** Phosphate  
- **Phosphate:** Phosphate  
- **Iron:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Silica:** Lead  
- **Calcium:** Phosphate  
- **Manganese:** Phosphate  
- **Magnesium:** Phosphate  
- **Phosphorus:** Phosphate  
- **Strontium:** Phosphate  
- **Sodium:** Phosphate  
- **Sulfate:** Phosphate  
- **ToC:** Phosphate  
- **DIC:** Total Hardness  
- **Barium:** Phosphate  
- **Beryllium:** Phosphate  
- **Cadmium:** Iron Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Lead:** Total Alkalinity  
- **Nitrate:** Phosphate  
- **Phosphate:** Phosphate  
- **Iron:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Silica:** Lead  
- **Calcium:** Phosphate  
- **Manganese:** Phosphate  
- **Magnesium:** Phosphate  
- **Phosphorus:** Phosphate  
- **Strontium:** Phosphate  
- **Sodium:** Phosphate  
- **Sulfate:** Phosphate  
- **ToC:** Phosphate  

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on 2/20/98*
## SE 05-054-27 W4M

**Well Number:** 02801

**Well Owner:** Bartlett, R.H.

Drilling Contractor: Unknown Driller

**Elevation (AMSL) (m):** 751

**AEP:** 260603

**Date Started:**

**Date Completed:**

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Unknown
- **Completed Depth:** 70.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m):
- **to**

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m):
- **to** Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):** from (m):
- **to** Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:

- **pH (pH unit):** 7.30
- **Cond. (µS/cm):** 780.0
- **TDS:** 473.0
- **Sodium:** 6.90
- **Potassium:** 3.52
- **Calcium:** 117.03
- **Magnesium:** 17.02
- **Carbonate:** 539.94
- **Bicarbonate:** 633.00
- **Aluminum:** 0.15
- **Fluoride:** 0.40
- **Iron:** 0.40
- **TOC:** 0.40
- **Silica:** 0.40

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<tr>
<td>TDS</td>
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<tr>
<td>Sodium</td>
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<td>Potassium</td>
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<tr>
<td>Silica</td>
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### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **TOC:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-054-27 W4M**

**Well Owner:** Book, William A.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 745

**AEP:** 260614

**Licence No.:**

**Date Started:**

**Date Completed:**

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<td>Perforated How:</td>
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<td>from (m): to</td>
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<td>Thickness (mm):</td>
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<td>from (m): to</td>
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<td>Size:</td>
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<td>Rate (lpm): Time (minute):</td>
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<tr>
<td>Level End (m): Drawdown (m):</td>
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<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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<th>04 May 78</th>
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| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-054-27 W4M**

**Well Number 02803**

**Well Owner:** Bukam, Jeannine

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

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<td>Licence No.:</td>
<td>Easting: 70,147.45</td>
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<td>Date Started: 18 Apr 93</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<td>Completed Depth 85.3 (m)</td>
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<td>NPWL (m): 12.8</td>
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<td>Top (m): 24.4</td>
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<td>Bottom (m): 85.3</td>
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<th>Open Hole:</th>
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<td>Rec’d Rate (lpm): 9.1</td>
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<td>pH (pH unit) COD Mercury</td>
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<tr>
<td>Cond. (µS/cm) SAR Nickel</td>
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<td>TDS TKN Selenium</td>
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<td>Sodium Nitrate Strontium</td>
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<td>Bicarbonate Arsenic Total Hardness</td>
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<tbody>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Bureaw, Roger
Drilling Contractor: Irmc Water Well Service & Supply Co. Ltd

SE 05-054-27 W4M

Well Number: 02804

Elevation (AMSL) (m): 742
AEP: 260615
Licence No.: Easting: 70,083.38
Date Started: 14 Sep 78 Northing: 5,940,528.84
Date Completed: 23 Sep 78

General:
- Type of Work: Dry Hole
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 105.2 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type: Cement/Grout
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: Cement/Grout
- from (m): to 38.4

Liner:
- Type: Cement/Grout
- OD (mm): 114.3 Thickness (mm):
- Top (m): Bottom (m): 80.8
- Perforated How: Torch
- from (m): 39.6 to 80.8 Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material: Cement/Grout
- OD (mm): from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m):

Testing:
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**SE 05-054-27 W4M**

**Well Owner:** Calaho, Joy  
**Drilling Contractor:** Rodco Drilling

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<tr>
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<td>Bottom (m):</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |  |

| Water Well Positioned by PFRA in 10TM NAD 27 |  |

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<td>Northing:</td>
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<td>AEP Data: Yes</td>
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printed on 2/20/98
**SE 05-054-27 W4M**

**Well Owner:** Calaho, Joy  
**Drilling Contractor:** Rodco Drilling

**Well Number:** 02806  
**Elevation (AMSL) (m):** 742  
**AEP:** 260673  
**Licence No.:** 70,083.38  
**Date Started:** 16 Mar 88  
**Date Completed:** 17 Mar 88  
**Easting:** 70,083.38  
**Northing:** 5,940,526.84

---

**General:**
- **Type of Work:** Test Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 91.4 m  
- **NPWL (m):**  
- **Abandonment:** Cuttings  
  - **17 Mar 88**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - from (m): to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:

**Screen:**
- **Material:**  
- **OD (mm):**  
  - from (m): to Size:  
  - from (m): to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 4.6  
- **Time (minute):**
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR, Nickel  
- **TDS:** TKN, Selenium  
- **Sodium:** Nitrate, Strontium  
- **Potassium:** Nitrite, Molybdenum  
- **Calcium:** TN, Vanadium  
- **Magnesium:** TC, Zinc  
- **Carbonate:** DIC, Hydroxide  
- **Bicarbonate:** Arsenic, Total Hardness  
- **Aluminum:** Barium, Manganese  
- **Sulphate:** Beryllium, Phosphorus  
- **Chloride:** Cadmium, Ion Balance  
- **Fluoride:** Chromium, Amm. Nitrogen  
- **Iron:** Cobalt, Total Phosphate  
- **TOC:** Copper, Total Alkalinity  
- **Silica:** Lead, Nitrate\&Nitrite N  
- **DIC:** Hydroxide

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

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**Database:** 1.000H  
**Electric Log:** No  
**Gamma Log:** No  
**Aquifer Test:** No  
**Transmissivity:** m³/day  
**Storativity:**  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No
**SE 05-054-27 W4M**

**Well Owner:** Callihoo, Joy

**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 750

**AEP:** 260677

**Licence No.:** 70,093.85

**Easting:** 6040,731.00

**Date Started:** 06 Apr 88

**Date Completed:** 09 Apr 88

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 6.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Sub**
- **Model:**
- **Rate (lpm):** 41.1
- **Time (minute):** 720.0
- **Intake (m):**
- **Level End (m):**
- **Depth (m):**
- **Drawdown (m):** 29.9
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 31.9

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**07 Jun 88**

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| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Depth Elevation

**BGL (m):**

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### Lithologic Description

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### Testing:

- **Rate (lpm):** 41.1
- **Time (minute):** 720.0
- **Intake (m):**
- **Level End (m):**
- **Depth (m):**
- **Drawdown (m):** 29.9
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 31.9

### Laboratory:

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### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Chemical Constituents are in mg/l (ppm). Except as noted.**
SE 05-054-27 W4M

Well Owner: Edgars, Lyn
Drilling Contractor: Grove Drilling Ltd

Well Number: 02808

Elevation (AMSL) (m): 750
AEP: 260596
Licence No.: 70,093.85
Date Started: 17 Oct 76
Northing: 5,940,731.00
Date Completed: 17 Oct 76

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<tr>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silicon</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

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<tr>
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<tr>
<td>Well Field Verified: No</td>
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Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-054-27 W4M**

**Well Owner:** Fedyschen, K.  
**Drilling Contractor:** Unknown Driller

**Well Number:** 02809  
**Elevation (AMSL) (m):** 750  
**AEP:** 260627  
**Easting:** 70,093.85  
**Northing:** 5,940,731.00

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic  
- **Completed Depth (m):** 27.4
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen
- **Material:**  
- **OD (mm):** from (m): Size:  
- **from (m):** Size:  
- **from (m):** Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**  
- **Intake (m):**

### Testing
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory: 27 Aug 79
- **pH (pH unit):** 8.00  
- **Cond. (µS/cm):** 799.0  
- **TDS:** 488.0  
- **Sodium:** 65.09  
- **Potassium:** 2.35  
- **Calcium:** 112.02  
- **Magnesium:** 17.02  
- **Carbonate:** 574.10  
- **Bicarbonate:**  
- **Barium:**  
- **Sulphate:** 8.17  
- **Chloride:**  
- **Fluoride:** 0.08  
- **Iron:** 0.18  
- **TOC:**  
- **Silica:** 15.80

- **Ph (pH unit):**  
- **COD:**  
- **Mercury:**  
- **SAR:**  
- **Nickel:**  
- **TKN:**  
- **Nitrate:**  
- **Strontium:**  
- **Vanadium:**  
- **Molybdenum:**  
- **Zinc:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:** 350.00  
- **Amm. Nitrogen:**  
- **Total Phosphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Cadmium:**  
- **Ion Balance:** 1.03  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Copper:**  
- **Total Alkalinity:** 471.0  
- **Cadmium:**  
- **Bicarbonate:**

### Electric Log
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:** No  
- **TOC:**  
- **Database:** 1.000H  
- **Lead:**  
- **Nitrate&Nitrite:**  
- **Silica:**  

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 02810**

**SE 05-054-27 W4M**

Well Owner: **Fersovich, Mike**

Drilling Contractor: **Unknown Driller**

**Elevation (AMSL) (m): 750**

**AEP: 260609**

**Licence No.:**

**Date Started:**

**Northing: 5,940,731.00**

**Date Completed:**

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 17.4 (m)
- **NPWL (m):**
  - Verified NPWL (m):
- **Abandonment:***

**Casing:**

- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

**Liner:**

- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to size:
    - from (m): to size:
    - from (m): to size:

**Screen:**

- **Material:**
  - **OD (mm):**
    - from (m): to size:
    - from (m): to size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
  - Intake (m):
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**

- **15 Jun 78**

### Chemical Constituents

- **pH (pH unit):** 7.50
- **COD:**
- **SAR:**
- **TDS:** 491.0
- **TKN:**
- **Sodium:** 57.96
- **Nitrate:**
- **Selenium:**
- **Potassium:** 3.52
- **Molybdenum:**
- **Calcium:** 105.01
- **Vanadium:**
- **Magnesium:** 20.06
- **Zinc:**
- **Carbonate:** 560.68
- **Arsenic:**
- **Total Hardness:** 346.00
- **Aluminium:**
- **Barium:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Water Qualification

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 2/20/98
**SE 05-054-27 W4M**

**Well Number: 02811**

**Well Owner:** Francis, Henry  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 746  
**AEP:** 260623  
**Easting:** 69,806.89  
**Northing:** 5,946,691.00

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<th><strong>Elevation</strong></th>
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<tr>
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<tr>
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<tr>
<td><strong>Casing:</strong></td>
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<tr>
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<tr>
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<tr>
<td><strong>Open Hole:</strong></td>
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<tr>
<td>from (m): to</td>
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<tr>
<td><strong>Pump:</strong></td>
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**Laboratory:** 17 Jan 79

| **Chemical Constituents are in mg/l (ppm), Except as noted.** |
|------------------|---------------|
| **pH (pH unit):** | **Chemical Constituents are in mg/l (ppm), Except as noted.** |
| 7.90 | COD Mercury |
| Cond. (µS/cm) | 848.0 SAR Nickel |
| TDS 487.0 | TKN Selenium |
| Sodium 72.91 | Nitrate Strontium |
| Potassium 1.96 | Nitrile Molybdenum |
| Calcium | 94.99 TN Vanadium |
| Magnesium | 20.06 TC Zinc |
| Carbonate | DIC Hydroxide |
| Bicarbonate | 557.63 Arsenic Total Hardness 317.00 |
| Aluminum | Barium Manganese |
| Sulphate | 21.13 Beryllium Phosphate |
| Chloride | 2.13 Cadmium Ion Balance 0.99 |
| Fluoride | 0.28 Chromium Amm. Nitrogen |
| Iron | 0.27 Cobalt Total Phosphate |
| TOC | Copper Total Alkalinity 458.0 |
| Silica | 17.00 Lead Nitrate & Nitrite N |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-054-27 W4M**

**Well Owner:** Funk, Irvin  
**Drilling Contractor:** Unknown Driller

**Well Number:** 02813  
**Elevation (AMSL) (m):** 756  
**AEP:** 160802  
**Date Started:**  
**Date Completed:**

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<td><strong>to</strong></td>
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<td><strong>Open Hole:</strong></td>
<td><strong>from (m):</strong></td>
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<td><strong>Testing:</strong></td>
<td><strong>Rate (lpm):</strong></td>
<td><strong>Time (minute):</strong></td>
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<td><strong>Level End (m):</strong></td>
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<td><strong>Rec'd intake (m):</strong></td>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>TDS:</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-054-27 W4M**

**Well Owner:** Galloway  
**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 750  
**AEP:** 260538  
**Licence No.:** Easting: 70,093.85  
**Date Started:** 29 Mar 76  
**Nortthing:** 5,940,731.00  
**Date Completed:** 30 Mar 76

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Drilled  
- **Well Use:** Unknown  
- **Completed Depth:** 89.6 (m)  
- **NPWL (m):** 19.8  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 31.4  
- **Bottom (m):** 31.4  
- **OD (mm):** 141.2  
- **Thickness (mm):**  
- **Seal Type:** from (m): to  
- **Perforated How:** Unknown  
- **Top (m):**  
- **Bottom (m):** 89.6  
- **Size:**

### Liner:
- **Type:** Steel  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):** 89.6  
- **Size:**

### Screen:
- **Material:** Steel  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **Model:** Sub  
- **Intake (m):** 89.6  
- **Testing: Intake (m):** 89.6  
- **Rate (lpm):** 4.6  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**

### Pump:
- **Model:** Sub  
- **Intake (m):** 89.6  
- **Testing: Intake (m):** 89.6  
- **Rate (lpm):** 4.6  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd Rate (lpm):**

---

### Laboratory:
- **01 Sep 76**  
- **pH (pH unit):** 8.90  
- **COD:**  
- **Mercury:**
- **Cond. (µS/cm):** 880.0  
- **SAR:**  
- **Nickel:**
- **TDS:** 542.0  
- **TKN:**  
- **Selenium:**
- **Sodium:** 220.11  
- **Nitrate:**  
- **Strontium:**
- **Potassium:** 0.78  
- **Nitrite:**  
- **Molybdenum:**
- **Calcium:** 2.00  
- **TN:**  
- **Vanadium:**
- **Magnesium:** TC  
- **TC:**  
- **Zinc:**
- **Carbonate:** 21.00  
- **DIC:**  
- **Hydroxide:**
- **Bicarbonate:** 580.21  
- **Arsenic:**  
- **Total Hardness:** 7.00  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**
- **Chloride:** 1.06  
- **Cadmium:**  
- **Ion Balance:** 0.92  
- **Fluoride:** 3.08  
- **Chromium:**  
- **Amm. Nitrogen:**
- **Iron:** 1.80  
- **Cobalt:**  
- **Total Phosphate:**
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:** 511.0  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Storativity:**
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
<table>
<thead>
<tr>
<th>General: Type of Work: New Well</th>
<th>Depth Elevation (BGL) (AMSL): (m)</th>
<th>Lithologic Description:</th>
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</thead>
<tbody>
<tr>
<td>Well Use: Domestic</td>
<td>(m)</td>
<td>Clay &amp; Rocks Brown</td>
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<td>10.7 739.1 Clay &amp; Rocks Blue</td>
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<td>23.5 726.3 Shale</td>
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<td>36.0 713.8 Shale Gray</td>
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<td>40.2 709.6 Sandstone Soft Gray</td>
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<td>Thickness (mm):</td>
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<td>Seal Type: Driven</td>
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<td>Copper</td>
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<td>Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02817

SE 05-054-27 W4M

Well Owner: Gust, Bill
Drilling Contractor: Caribou Drilling Ltd.

Elevation (AMSL) (m): 755
Licence No.: 260636
AEP: 70,098.31
Date Started: 21 Mar 79
Easting: 5,941,061.50
Date Completed: 21 Mar 79
Northing:

**General:**
- Type of Work: Test Hole
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 109.7 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: 
- OD (mm): from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: 
- Intake (m):

**Testing:**
- Rate (lpm): 
- Time (minute):
- Level End (m): Drawdown (m):
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silicon: Lead Nitrate & Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Electric Log: No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 05-054-27 W4M**

**Well Number:** 02818

**Well Owner:** Henry, L.J.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 750

**AEP:** 260628

**Date Started:**

**Easting:** 70,093.85

**Date Completed:**

**Northing:** 5,940,731.00

---

**General:**

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<th>Chemistry</th>
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<td>Well Use:</td>
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**Completed Depth:** 16.5 (m)

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**

- **from (m):**
- **to:**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

---

**Laboratory:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

(No Lithologic Information Available)

---

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**printed on 2/20/98**
Well Number 02819

General:
Type of Work: Chemistry  
Drilling Method: Drilled  
Well Use: Unknown  
Completed Depth: 24.4 (m)  
NPWL (m):  
Verified NPWL (m):  
Abandonment:  

Casing:
Type:  
Depth (m): Bottom (m):  
OD (mm): Thickness (mm):  
Seal Type:  
from (m):  
Linier:  
Type:  
OD (mm): Thickness (mm):  
Top (m): Bottom (m):  
Perforated How:  
from (m):  
Size:  
from (m):  
Size:  
from (m):  
Size:  

Screen:  
Material:  
OD (mm):  
from (m):  
Size:  
from (m):  
Size:  
from (m):  
Size:  

Open Hole:  
from (m):  

Pump:  
Model:  
Intake (m):  
Testing:  
Rate (lpm):  
Time (minute):  
Level End (m): Drawdown (m):  
Rec'd intake (m): Rec'd Rate (lpm):  

Laboratory:  
20 Feb 76  
pH (pH unit): 7.90  
COD: Mercury  
Cond. (µS/cm): 973.0  
SAR: Nickel  
TDS: 620.0  
TKN: Selenium  
Sodium: 112.93  
Nitrate: Strontium  
Potassium: 3.52  
Nitrite: Molybdenum  
Calcium: 80.96  
TN: Vanadium  
Magnesium: 21.04  
TC: Zinc  
Carbonate: DIC  
Hydroxide  
Bicarbonate: 591.19  
Arsenic: Total Hardness 288.00  
Aluminium: Barium  
Manganese  
Sulphate: 110.95  
Beryllium: Phosphate  
Chloride: Cadmium  
Ion Balance 0.89  
Fluoride: 0.20  
Chromium: Amm. Nitrogen  
Iron: 0.50  
Cobalt: Total Phosphate  
TOC: Copper  
Total Alkalinity 485.0  
Silica: Lead  
Nitrate&Nitrite N  

Chemical Constituents are in mg/l (ppm). Except as noted.  

Water Well Positioned by PFRA in 10TM NAD 27  

Electric Log: No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  Well Field Verified: No

Remarks:  

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
SE 05-054-27 W4M

Well Number: 02820

Well Owner: Lewis, Gordon
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 750
Licence No.: 260633
Date Started: 16 Oct 80
Northing: 70,093.85
Date Completed: 18 Oct 80
Northing: 5,940,731.00

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

Completed Depth: 33.2 (m)
NPWL (m): 16.8
Verifed NPWL (m): Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 27.7
- Bottom (m): 27.7
- OD (mm): 114.3
- Thickness (mm):
- Seal Type: from (m): to
- OD (mm): to
- Thickness (mm):
- Top (m): Bottom (m):

Liner:
- Type: from (m): to
- OD (mm):
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Screen:
- Material: St
- OD (mm): 0.9
- from (m): 27.7 to 29.0
- Thickness (mm): Size: 0.01
- from (m): to
- Size:
- from (m): to
- Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m):
- Rate (lpm): 16.0
- Time (minute): 420.0
- Level End (m): Drawdown (m): 4.6
- Rec'd intake (m): Rec'd Rate (lpm):

Laboratory: 07 Nov 80

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Laboratory Data:
- COD
- pH
- Chloride
- Fluoride
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Barium
- Overall Hardness
- Barium
- Total Phosphorus
- Cobalt
- Total Alkalinity
- Copper
- Lead
- Nitrate
- Nitrite

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 05-054-27 W4M**

**Well Number: 02821**

**Well Owner:** Macpherson, Dan

**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 742  
**AEP: 260643**  
**Date Started:** 26 Apr 83  
**Easting:** 70,083.38  
**Licence No.:** 5,940,526.84  
**Date Completed:** 29 Apr 83  

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<td><strong>Lithologic Description</strong></td>
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<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 91.4 (m)</td>
<td>9.1</td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 22.9</td>
<td>19.8</td>
</tr>
<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td>23.8</td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td>29.0</td>
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<tr>
<td><strong>Casing:</strong></td>
<td>42.7</td>
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<tr>
<td><strong>Type:</strong> Galvanized Steel</td>
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<tr>
<td><strong>Depth (m):</strong> 57.0</td>
<td>49.7</td>
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<tr>
<td><strong>Bottom (m):</strong> 57.0</td>
<td>50.3</td>
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<tr>
<td><strong>OD (mm):</strong> 108.0</td>
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<tr>
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<td>64.6</td>
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<td><strong>Seal Type:</strong> Driven</td>
<td>74.7</td>
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<tr>
<td><strong>from (m):</strong></td>
<td>79.2</td>
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<tr>
<td><strong>to</strong></td>
<td>82.9</td>
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<td><strong>Liner:</strong></td>
<td>88.1</td>
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<td><strong>Type:</strong></td>
<td>91.4</td>
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<td><strong>from (m):</strong></td>
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<td><strong>to</strong></td>
<td>204.9</td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td><strong>Gamma Log:</strong> Storativity:</td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>Aquifer Test:</strong> No</td>
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<td><strong>Project:</strong> Database: 1.000H</td>
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<tr>
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<td><strong>AEP Data:</strong> Yes</td>
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<td><strong>from (m):</strong></td>
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<td><strong>to</strong></td>
<td><strong>Remarks:</strong> Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<th>Open Hole:</th>
<th>Testing:</th>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>Rate (lpm):</strong> 4.6</td>
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<tr>
<td><strong>to</strong></td>
<td><strong>Time (minute):</strong> 660.0</td>
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<tr>
<td><strong>Size:</strong></td>
<td><strong>Level End (m):</strong> Drawdown (m): 32.0</td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>Rec'd Rate (lpm):</strong> 54.9</td>
</tr>
<tr>
<td><strong>to</strong></td>
<td><strong>Rec'd intake (m):</strong> 4.6</td>
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<tr>
<td><strong>Size:</strong></td>
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<table>
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<tr>
<th>Pump: Sub</th>
<th>24 May 83</th>
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<tr>
<td><strong>Model:</strong></td>
<td><strong>Intake (m):</strong></td>
</tr>
<tr>
<td><strong>Testing:</strong></td>
<td><strong>pH (pH unit):</strong> 9.00</td>
</tr>
<tr>
<td><strong>Rate (lpm):</strong> 54.9</td>
<td><strong>Cond. (µS/cm):</strong> 1001</td>
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<tr>
<td><strong>Time (minute):</strong> 4.6</td>
<td><strong>TDS:</strong> 608.0</td>
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<tr>
<td><strong>Level End (m):</strong> Drawdown (m): 32.0</td>
<td><strong>Sodium:</strong> 264.96</td>
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<tr>
<td><strong>Rec'd Rate (lpm):</strong> 54.9</td>
<td><strong>Potassium:</strong> 0.78</td>
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<tr>
<td><strong>Rec'd intake (m):</strong> 4.6</td>
<td><strong>Calcium:</strong> 3.01</td>
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<td><strong>Open Hole:</strong></td>
<td><strong>Magnesium:</strong> TC</td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>Carbonate:</strong> 36.90</td>
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<tr>
<td><strong>to</strong></td>
<td><strong>Bicarbonate:</strong> 582.85</td>
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<td><strong>Size:</strong></td>
<td><strong>Aluminum:</strong> Barium</td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>Sulphate:</strong> 7.20</td>
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<tr>
<td><strong>to</strong></td>
<td><strong>Chloride:</strong> 8.15</td>
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<td><strong>Size:</strong></td>
<td><strong>Fluoride:</strong> 2.76</td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>Iron:</strong> 1.24</td>
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<tr>
<td><strong>to</strong></td>
<td><strong>TOC:</strong> Copper</td>
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<tr>
<td><strong>Size:</strong></td>
<td><strong>Silica:</strong> Lead</td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>Open Hole:</strong></td>
</tr>
<tr>
<td><strong>to</strong></td>
<td><strong>pH:</strong> 9.00</td>
</tr>
<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
<td><strong>Cond. (µS/cm):</strong> 1001</td>
</tr>
</tbody>
</table>

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

printed on 2/20/98
**SE 05-054-27 W4M**

Well Owner: Marshall, Lloyd
Drilling Contractor: D&D Water Well Drilling & Services

<table>
<thead>
<tr>
<th>Well Number</th>
<th>02822</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m)</td>
<td>750</td>
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<tr>
<td>AEP:</td>
<td>260678</td>
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<td>Licence No.:</td>
<td>70,093.85</td>
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<td>Date Started:</td>
<td>29 Mar 89</td>
</tr>
<tr>
<td>Northing:</td>
<td>5,940,731.00</td>
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<tr>
<td>Date Completed:</td>
<td>29 Mar 89</td>
</tr>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 21.3 (m)
- **NPWL (m):** 8.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 18.0
- **Bottom (m):** 18.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 13.7 to 15.2

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 18.0 to 19.5
- **to:**
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 36.5
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **Anion Balance:**
- **Chloride:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **HCO3:**
- **Cl:**
- **SO4:**
- **No. of Data Points:**
- **Database:**
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Printed on 2/20/98*
**SE 05-054-27 W4M**

**Well Number:** 02823

**Well Owner:** Martens, Henry

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 752

**AEP:** 260590

**Date Started:**

**Easting:** 70,360.71

**Northing:** 5,941,074.00

**Date Completed:**

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 22.9 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **Open Hole:**
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **22 Feb 77**
- **pH (pH unit):** 7.60
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):** 775.0
- **SAR:**
- **Nickel:**
- **TDS:** 485.0
- **TKN:**
- **Selenium:**
- **Sodium:** 74.06
- **Nitrate:**
- **Strontium:**
- **Potassium:** 2.74
- **Nitrite:**
- **Molybdenum:**
- **Calcium:** 99.00
- **Vanadium:**
- **Magnesium:** 17.02
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:** 571.05
- **Arsenic:**
- **Total Hardness:** 317.00
- **Aluminium:**
- **Manganese:**
- **Barium:** 2.74
- **Sulphate:**
- **Phosphate:**
- **Beryllium:**
- **Chloride:**
- **Ion Balance:** 1.00
- **Cadmium:**
- **Iron:** 0.05
- **Chromium:**
- **Amm. Nitrogen:**
- **Fluoride:** 1.53
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 468.0
- **Silica:** 16.70
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**printed on 2/20/98**

**Database:** Project: 1.000H

**AEP Data:** Yes  Well Field Verified: No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 13.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 91.4
- **Perforated How:** Unknown
- **from (m):** to 91.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 6.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 74.7
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 9.1

**Laboratory: 30 Oct 85**

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<th>Value</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>988.0</td>
<td>SAR Nickel</td>
</tr>
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<td>TDS</td>
<td>590.0</td>
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<td>Sodium</td>
<td>218.96</td>
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<td>Nitrite Molybdenum</td>
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<td>Calcium</td>
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<td>Bicarbonate</td>
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<td>30.84</td>
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<td>Iron</td>
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<td>Copper</td>
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<td>Silica</td>
<td>10.70</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 35.0 (m)
- **NPWL (m):** 3.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 33.8
- **Bottom (m):** 33.8
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Seal Type:** Loose
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 33.8 to 35.0 Size: 0.07
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):** 8.0
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):** 24.4
- **Rec’d int. (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **20 Feb 75**
- **pH (pH unit):** 8.20
- **COD:** Mercury
- **Cond. (µS/cm):** 820.0
- **SAR:** Nickel
- **TDS:** 489.0
- **TKN:** Selenium
- **Sodium:** 120.98
- **Nitrate:** Strontium
- **Potassium:** 1.56
- **Nitrile:** Molybdenum
- **Calcium:** 58.92
- **TN:** Vanadium
- **Magnesium:** 11.07
- **TC:** Zinc
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** 535.06
- **Arsenic:** Total Hardness 195.00
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** 24.98
- **Beryllium:** Phosphate
- **Chloride:** 2.84
- **Cadmium:** Ion Balance 0.98
- **Fluoride:** 0.19
- **Chromium:** Amm. Nitrogen
- **Iron:** 1.10
- **Cobalt:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:** 439.0
- **Silica:** Lead
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Lead:**
- **Nitrate & Nitrite:**
- **AEP Data:** Yes
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02826

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 50.3 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **26 Jun 84**
- **pH (pH unit):** 8.30
- **Cond. (µS/cm):** 1082
- **TDS:** 656.0
- **Sodium:** 239.89
- **Potassium:** 1.17
- **Calcium:** 25.05
- **Magnesium:** 4.99
- **Carbonate:** DIC
- **Bicarbonate:** 740.05
- **Aluminium:** Barium
- **Sulphate:** 17.77
- **Chloride:** 2.84
- **Fluoride:** 1.42
- **Iron:** 0.08
- **TOC:**
- **Silica:** 9.70
- **Chemical Constituents are in mg/l (ppm). Except as noted.
<table>
<thead>
<tr>
<th>Well Number: SE 05-054-27 W4M</th>
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<tbody>
<tr>
<td>Well Owner: Roberts, Gene</td>
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<tr>
<td>Drilling Contractor: Mcginn, Gerald Drilling Ltd.</td>
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<table>
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<tr>
<th>Elevation (AMSL) (m): 738</th>
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<tbody>
<tr>
<td>Licence No.: Easting: 70,249.05</td>
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<tr>
<td>Date Started: 05 Mar 76 Northing: 5,946,501.00</td>
</tr>
<tr>
<td>Date Completed: 08 Mar 76</td>
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</tbody>
</table>

### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.6 (m)
- **NPWL (m):** 7.9
- **Abandonment:**

### Casing
- **Type:** Steel
- **Depth (m):** 13.7
- **OD (mm):** 141.2
- **Seal Type:** Driven
- **Bottom (m):** 13.7

### Liner
- **Type:** Torch
- **OD (mm):** 114.3
- **Top (m):** 82.6

### Screen
- **Material:**
- **Type:**
- **Bottom (m):**
- **Thickness (mm):**
- **OD (mm):**
- **Perforated How:**
- **Thickness (mm):**
- **Size:**
- **from (m):**
- **to:**

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**

### Laboratory
- **pH (pH unit):** 8.70
- **Cond. (µS/cm):** 850.0
- **TDS:** 594.0
- **Sodium:** 221.03
- **Potassium:** 0.78
- **Calcium:** 14.03
- **Magnesium:**
- **Carbonate:** 18.00
- **Bicarbonate:** 600.95
- **Aluminum:**
- **Sulphate:** 29.78
- **Chloride:** 13.83
- **Fluoride:** 2.40
- **Iron:** 0.20
- **TOC:**
- **Silica:**
- **Open Hole:**
- **Pump:**
- **Intake (m):**

### Electric Log
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **Database:** 1.000H
- **AEP Data:** Yes

### Lithologic Description

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### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

---

**Printed on 2/20/98**
**SE 05-054-27 W4M**

**Well Owner:** Shiloff, Mike  
**Drilling Contractor:** Unknown Driller

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<td>Well Use: Unknown</td>
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<tr>
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<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
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| Casing: | | |
| --- | --- | |
| Type: | | |
| Depth (m): | Bottom (m): | |
| OD (mm): | Thickness (mm): | |
| Seal Type: | | |
| from (m): | to | |

| Liner: | | |
| --- | --- | |
| Type: | | |
| OD (mm): | Thickness (mm): | |
| Top (m): | Bottom (m): | |
| Perforated How: | | |
| from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

| Screen: | | |
| --- | --- | |
| Material: | | |
| OD (mm): | from (m): | Size: |
| from (m): | to | Size: |
| Open Hole: | | |
| from (m): | to | |

| Pump: | | |
| --- | --- | |
| Model: | Intake (m): | |
| Testing: | | |
| Rate (lpm): | Time (minute): | |
| Level End (m): | Drawdown (m): | |
| Rec’d intake (m): | Rec’d Rate (lpm): | |

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<td>Cond. (µS/cm): 1050</td>
<td>SAR Nickel</td>
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<td>TDS 659.0</td>
<td>TKN Selenium</td>
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<td>Sodium 275.08</td>
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<td>Potassium 0.78</td>
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<tr>
<td>Calcium</td>
<td>TN Vanadium</td>
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<td>Magnesium</td>
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| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 05-054-27 W4M**

**Well Owner:** Shirtliff, Lawrence C.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 750

**Licence No.:**

**Date Started:**

**Date Completed:**

**Well Number:** 02829

**Easting:** 70,093.85

**Northing:** 5,940,731.00

**AEP:** 166681

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<td><strong>Type of Work:</strong> Chemistry</td>
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### Completed Depth

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### Abandonment

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### Casing

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### Liner

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### Perforated How

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### Screen

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### Open Hole

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<th><strong>from (m):</strong></th>
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### Pump

| **Model:** | **Intake (m):** |

### Testing

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<th><strong>Time (minute):</strong></th>
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<td><strong>Drawdown (m):</strong></td>
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<tr>
<td><strong>Rec’d intake (m):</strong></td>
<td><strong>Rec’d Rate (lpm):</strong></td>
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### Laboratory

**pH (pH unit):**

**Cond. (µS/cm):**

**TDS:**

**Sodium:**

**Potassium:**

**Calcium:**

**Magnesium:**

**Carbonate:**

**Bicarbonate:**

**Aluminium:**

**Sulphate:**

**Chloride:**

**Fluoride:**

**Iron:**

**TOC:**

**Silica:**

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<td><strong>from (m):</strong></td>
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<td><strong>Size:</strong></td>
<td><strong>from (m):</strong></td>
<td><strong>to</strong></td>
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<tr>
<td><strong>Screen:</strong></td>
<td><strong>Material:</strong></td>
<td><strong>from (m):</strong></td>
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### Electric Log

**Transmissivity:** m³/day

### Gamma Log

**Storativity:**

### Aquifer Test

**Project:**

**Database:** 1.000H

### AEP Data

**Well Field Verified:**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Printed on 2/20/98*
**General:**
- Type of Work: *New Well*
- Drilling Method: *Rotary*
- Well Use: *Domestic*

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<th>Completed Depth</th>
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<td>86.9</td>
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**Abandonment:**
- Type: *Steel*
- Depth (m): 54.9
- Bottom (m): 54.9

**Casing:**
- OD (mm): 114.3
- Thickness (mm): 0.0
- Seal Type: *Driven*
- from (m): to 54.9

**Liner:**
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- OD (mm): to

**Pump:**
- Model: Intake (m): Rate (lpm): 16.0
- Time (minute): 180.0
- Level End (m): Drawdown (m): Rec'd Rate (lpm): Rec'd intake (m): 0

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:**
- Transmissivity: m²/day
- Gamma Log: Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

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Well Number: 02831

Well Owner: Siemans, E.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 750
Licence No.: Easting: 70,093.85
Date Started: Northing: 5,940,731.00
Date Completed:

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Laboratory:

- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 05-054-27 W4M**

**Well Owner:** Sierpinski, L.

**Drilling Contractor:** Unknown Driller

**Well Number:** 02832

**Elevation (AMSL) (m):** 750

**AEP:** 260651

**Licence No.:** Easting: 70,093.85

**Date Started:** Northing: 5,940,731.00

**Date Completed:**

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<th>General</th>
<th>Depth Elevation</th>
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| Chemical Constituents are in mg/l (ppm). Except as noted. | |

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 24.1 (m)  
- **NPWL (m):** 7.6  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 18.6  
  **Bottom (m):** 18.6  
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1  
- **Seal Type:**  
  **from (m):** to  

### Liner:
- **Type:**  
  **OD (mm):**  
  **Thickness (mm):**  
  **Top (m):**  
  **Bottom (m):**  
- **Perforated How:**  
  **from (m):** to  
  **Size:**  
  **from (m):** to  
  **Size:**  
  **from (m):** to  
  **Size:**  

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
  **from (m):** 18.6  
  **to:** 20.1  
  **Size:** 0.01  
- **Top (m):**  
- **Bottom (m):**  
- **Open Hole:**  
  **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** 22.8  
  **Time (minute):** 420.0  
- **Level End (m):** 12.2  
  **Drawdown (m):** 4.6  
- **Rec'd intake (m):**  
  **Rec'd Rate (lpm):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
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- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

### Electric Log:
- **No**  
- **Transmissivity:** m²/day  

### Gamma Log:
- **No**  
- **Storativity:**  

### Aquifer Test:
- **No**  

### Project:
- **Database:** 1.000H  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.  
- Water Well Positioned by PFRA in 10TM NAD 27  
- AEP Data: Yes  
- Well Field Verified: No
**SE 05-054-27 W4M**

**Well Owner:** St. Pierce, G.

**Drilling Contractor:** Grove Drilling Ltd

**Elevation (AMSL) (m):** 750

AEP: 260591

**Licence No.:** Easting: 70,093.85

**Date Started:** Northing: 5,940,731.00

**Date Completed:** 20 Mar 76

---

### General

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<td>Abandonment</td>
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</table>

**Casing:**

- **Type:** Steel
- **Depth (m):** 22.3
- **Bottom (m):** 22.3
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven

**Liner:**

- **Type:** Steel
- **OD (mm):**
  - **from (m):** to
  - **Top (m):** to
  - **Bottom (m):** to

- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**

- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 16.0
- **Time (minute):** 420.0
- **Level End (m):** 18.3
- **Drawdown (m):** 12.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

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</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 22.9 (m)
- **NPWL (m):** 10.7
- **Verificated NPWL (m):**
- **Abandonment:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 16.1
  - **Botto (m):** 16.1
  - **OD (mm):** 115.8
  - **Thicknes (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):**
- **to:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 16.1
- **Bottom (m):** 16.1
- **OD (mm):** 115.8
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 16.1
- **to:** 17.7
- **Size:** 0.01
- **from (m):**
- **to:**
- **Open Hole:**
- **from (m):**
- **to:**

### Pump:
- **Model:** McDougall
- **Intake (m):**

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 480.0

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sulfate:**
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- **Chloride:**
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- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulfate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **AEP Data:**
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 02835

**Well Owner:** Stewart, John

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 750

**AEP:** 260664

**Licence No.:**

**Date Started:**

**Easting:** 70,093.85

**Northing:** 5,940,731.00

**Date Completed:** 03 Oct 73

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 05-054-27 W4M**

**Well Number**: 02836

**Well Owner**: Stewart, John

Drilling Contractor: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m)**: 750

**AP**: 260667

**Licence No.**: Easting: 70,093.85

**Date Started**: Northing: 5,940,731.00

**Date Completed**: 04 Oct 73

---

**General**:

- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 22.9 (m)
- **NPWL (m)**: 10.4
- **Verified NPWL (m)**: Abandonment:

**Casing**:

- **Type**: Galvanized Steel
- **Depth (m)**: 16.5, **Bottom (m)**: 16.5
- **OD (mm)**: 115.8, **Thickness (mm)**: 0.1
- **Seal Type**: Sand Pack
  
**Liner**:

- **Type**: St
- **OD (mm)**: 1.2
  
**Screen**:

- **Material**: St
  
**Open Hole**:

- **from (m)**: to

**Pump**:

- **Model**: Sub
- **Intake (m)**:

**Testing**:

- **Rate (lpm)**: 16.0, **Time (minute)**: 180.0
- **Level (m)**: Drawdown (m):
- **Rec'd intake (m)**: **Rec'd Rate (lpm)**:

**Screen**:

- **Material**: St
- **OD (mm)**: 1.2
  
**Open Hole**:

- **from (m)**: to

**Pump**:

- **Model**: Sub
- **Intake (m)**:

**Testing**:

- **Rate (lpm)**: 16.0, **Time (minute)**: 180.0
- **Level (m)**: Drawdown (m):
- **Rec'd intake (m)**: **Rec'd Rate (lpm)**:

**Laboratory**:

- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Barium: Manganese
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks**:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log**: No

**Transmissivity**: m²/day

**Gamma Log**: No

**Storativity**: 1.000H

**Aquifer Test**: No

**Project**: Database: 1.000H

**AEP Data**: Yes

**Well Field Verified**: No
**SE 05-054-27 W4M**

**Well Number:** 02837

**Well Owner:** Stewart, John

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

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<td>Date Completed:</td>
<td>11 Oct 73</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 27.4 m
- **NPWL (m):** 12.2
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 9
- **from (m):** 18.3 to 19.5
- **Size:** 0.01
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Medougall

**Testing:**
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 13.7
- **Drawdown (m):** 1.5
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Electric Log:** No
**Transmissivity:** $m^2/day$

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Database:** 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 37.8 m (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 17.7
- **Bottom (m):** 17.7
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Loose
- **from (m):**
- **to:** 17.7

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 36.9
- **Perforated How:** Torch
- **from (m):** 17.7
- **to:** 36.9
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **to:**

### Open Hole:

- **from (m):**

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:

- **pH (pH unit):** 8.30
- **Cond. (µS/cm):** 855.0
- **TDS:** 487.0
- **Sodium:** 62.10
- **Nitrate:**
- **Potassium:** 2.35
- **Calcium:** 95.99
- **Magnesium:** 18.97
- **Carbonate:**
- **Bicarbonate:** 597.90
- **Barium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:** 0.12
- **Iron:** 1.65
- **Chromium:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:** 12.97
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphorus:**
- **TOC:**
- **Silica:** 14.80
- **Lead:**
- **Nitrate & Nitrite:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphorus:**
- **TOC:**
- **Silica:**

### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Depth Elevation (BGL) (AMSL):

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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</thead>
<tbody>
<tr>
<td>9.1</td>
<td>740.6 Clay Yellow</td>
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<tr>
<td>15.5</td>
<td>734.2 Shale Brittle</td>
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<tr>
<td>18.3</td>
<td>731.5 Shale Green</td>
</tr>
<tr>
<td>22.6</td>
<td>727.2 Shale Sandy Gray</td>
</tr>
<tr>
<td>24.4</td>
<td>725.4 Sand Coarse Grained</td>
</tr>
<tr>
<td>26.2</td>
<td>723.6 Coal</td>
</tr>
<tr>
<td>30.2</td>
<td>719.6 Shale Greenish Gray</td>
</tr>
<tr>
<td>33.5</td>
<td>716.3 Shale Sandy Gray</td>
</tr>
<tr>
<td>36.3</td>
<td>713.5 Shale Dark Gray</td>
</tr>
<tr>
<td>37.8</td>
<td>712.0 Shale Green</td>
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</tbody>
</table>

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
SE 05-054-27 W4M

Well Owner: Sundquist, Stan
Drilling Contractor: Unknown Driller

Well Number 02839

Elevation (AMSL) (m): 750
AEP: 260545
Licence No.: Easting: 70,093.85
Date Started: Northing: 5,940,731.00
Date Completed: 

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<thead>
<tr>
<th>Well Number:</th>
<th>Well Owner:</th>
<th>Drilling Method:</th>
<th>Well Use:</th>
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<tbody>
<tr>
<td>SE 05-054-27 W4M</td>
<td>Sundquist, Stan</td>
<td>Unknown</td>
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Completed Depth: 56.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment: 

<table>
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<th>Depth (m):</th>
<th>Bottom (m):</th>
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<tbody>
<tr>
<td>Type:</td>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Seal Type:</td>
<td>from (m):</td>
<td>to</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Liner:</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<tr>
<th>Screen:</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tbody>
<tr>
<td>Material:</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
<th>Top (m):</th>
</tr>
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<tbody>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
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<table>
<thead>
<tr>
<th>Pump:</th>
<th>Model:</th>
<th>Intake (m):</th>
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<tbody>
<tr>
<td>Testing:</td>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<th>Laboratory:</th>
<th>16 Jun 76</th>
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<tbody>
<tr>
<td>pH (pH unit): 8.70</td>
<td>COD</td>
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<tr>
<td>Cond. (µS/cm) 920.0</td>
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<tr>
<td>TDS 590.0</td>
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<tr>
<td>Sodium 250.01</td>
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<tr>
<td>Potassium 0.78</td>
<td>Nitrite</td>
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<td>Calcium 6.01</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
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<tr>
<td>Carbonate 17.10</td>
<td>DIC</td>
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<tr>
<td>Bicarbonate 619.86</td>
<td>Arsenic</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride 2.37</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron 0.20</td>
<td>Cobalt</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
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<table>
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<tr>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tr>
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<td>Aquifer Test: No</td>
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<td>Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-054-27 W4M**

Well Owner: Ungarian, Jerry  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.  
Licence No.: 02841  
Date Started: 27 May 74  
Date Completed: 28 May 74

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<th>General:</th>
<th>Well Number 02841</th>
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<tr>
<td>Type of Work: New Well</td>
<td>Elevation (AMSL) (m): 746</td>
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<td>Drilling Method: Rotary</td>
<td>AEP: 264129</td>
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<td>Well Use: Domestic</td>
<td>Licence No.: Easting: 69,841.50</td>
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<td>Completed Depth 22.9 (m)</td>
<td>Northing: 5,940,673.00</td>
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<tr>
<td>NPWL (m): 7.6</td>
<td>Date Started: 27 May 74</td>
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<td>Abandonment:</td>
<td>Date Completed: 28 May 74</td>
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<tr>
<th>Casting:</th>
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<td>(m)</td>
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<td>OD (mm): 114.3</td>
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<td>Seal Type: Sand Pack</td>
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<tr>
<td>from (m): to 19.5</td>
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</thead>
<tbody>
<tr>
<td>Type:</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<th>Screen:</th>
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<tr>
<td>OD (mm): 0.9</td>
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<tr>
<td>from (m): 18.3</td>
<td>to 19.5</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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</table>

<table>
<thead>
<tr>
<th>Open Hole:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m): to</td>
<td></td>
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<table>
<thead>
<tr>
<th>Pump:</th>
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</thead>
<tbody>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
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</table>

<table>
<thead>
<tr>
<th>Testing:</th>
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<tbody>
<tr>
<td>Rate (lpm): 13.7</td>
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<td>Level End (m): 12.2</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<table>
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<tr>
<th>Laboratory:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Sodium</td>
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<td>Magnesium</td>
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<td>Carbonate</td>
<td>DIC</td>
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<tr>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
<td>Chromium</td>
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<tr>
<td>Iron</td>
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</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 02842**

**Well Owner:** Whitford, E.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 750

**AEP:** 260648

**Date Started:**

**Date Completed:**

**Licence No.:** Easting: 70,093.85

**Northing:** 5,940,731.00

---

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 24.4 (m)
  - **NPWL (m):**
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
  - **from (m):**
  - **to:**
- **Liner:**
  - **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
- **Open Hole:**
  - **from (m):**
  - **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 8.00
- **Cond. (µS/cm):** 830.0
- **TDS:** 511.0
- **Sodium:** 13.11
- **Nitrate:** 1.96
- **Calcium:** 68.94
- **Magnesium:** 13.01
- **Carbonate:**
- **Bicarbonate:**
- **Barium:** 566.17
- **Arsenic:**
- **Total Hardness:** 226.00
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:** 22.09
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:** 1.02
- **Fluoride:** 0.08
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:** 2.35
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 465.0
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TKN:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Arsenic:**
- **Total Hardness:**
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- **Total Hardness:**
- **Arsenic:**
- **Total Hardness:**
- **Arsenic:**
- **Total Hardness:**

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Positioning:**

**Database:**

**Project:**

**AEP Data:** Yes

**Well Field Verified:** No

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

---

**Remarks:**

---

**printed on 2/20/98**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 9.1 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **From (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **From (m):** to **Size:**
- **From (m):** to **Size:**
- **From (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **From (m):** to **Size:**
- **From (m):** to **Size:**

### Open Hole:
- **From (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **07 May 81**
- **pH (pH unit):** 8.20
- **Cond. (µS/cm):** 2260
- **TDS:** 1242
- **Sodium:** 425.96
- **Potassium:** 8.21
- **Calcium:** 16.03
- **Magnesium:** 24.08
- **Carbonate:** 456.96
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:** 64.84
- **Chloride:** 477.16
- **Fluoride:** 0.30
- **Iron:** 0.08
- **TOC:**
- **Silica:** 16.60
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number: 02843**

**Well Owner:** Wrigley, James

**Elevation (AMSL) (m):** 741

**AEP:** 264136

**Date Started:**

**Date Completed:**

**Licence No.:**

**Easting:** 70,159.73

**Northing:** 5,940,494.50

**Printed on:** 2/20/98
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 36.6 m
- NPWL (m): 69.528.40
- Abandonment: 

**Casing:**
- Type: Galvanized Steel
- Depth (m): 22.3
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Sand Pack
- from (m): 22.3

**Liner:**
- Type: 
- OD (mm): 
- Top (m): 
- Perforated How: 
- from (m): 
- from (m): 
- from (m): 
- Screen:
  - Material: St
  - OD (mm): 0.9
  - from (m): 22.3
  - to 23.5
  - Size: 0.01
- Open Hole:
  - from (m): 
- Pump:
  - Model: 
  - Intake (m): 15.2

**Testing:**
- Rate (lpm): 9.1
- Time (minute): 420.0
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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<td>732.4</td>
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<td>26.5</td>
<td>720.2</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>36.6</td>
<td>710.2</td>
<td>Shale Green</td>
</tr>
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</table>

**AEP Data:**
- Yes
- Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

#### Completed Depth
- **NPWL (m):** 18.9
- **Verified NPWL (m):**

#### Abandonment:
- **Type:** Plastic

#### Depth (m):
- **Bottom (m):** 32.0
- **OD (mm):** 141.2
- **Thickness (mm):** 0.2

#### Seal Type:
- **from (m):**
- **to:**

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

#### Perforated How:
- **from (m):**
- **to:**
- **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 32.0
- **to:** 33.2
- **Size:** 0.01
- **from (m):**
- **to:**

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Model:**
- **Intake (m):** 30.5

#### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Lithologic Description

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<td>41.2</td>
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<td>41.5</td>
<td>704.3 Shale Gray</td>
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</table>

### Electrical Properties:
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Laboratory:

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</table>

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27
**Well Information**

**Well Number:** 02846  
**Well Owner:** Char Muir Ltd  
**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 m (m)  
  - NPWL (m): 16.6  
  - Verified NPWL (m):  
- **Abandonment:**  
  - **Type:** Plastic  
  - **Depth (m):** 38.7  
  - **Bottom (m):** 38.7  
  - **OD (mm):** 127.0  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Bentonite Chips/Tabl  
  - **from (m):** 29.6  
  - **to:** 30.5

**Liner:**
- **Type:**  
  - **OD (mm):**  
  - **Thickness (mm):**  
  - **Top (m):**  
  - **Bottom (m):**  
  - **Perforated How:**  
    - from (m):  
    - to:  
    - Size:  
    - from (m):  
    - to:  
    - Size:  
    - from (m):  
    - to:  
    - Size:

**Screen:**
- **Material:** St  
  - **OD (mm):** 0.9  
  - from (m): 38.7  
  - to: 40.2  
  - **Size:** 0.01  
  - from (m):  
  - to:  
  - Size:

**Open Hole:**
- from (m):  
  - to:  

**Pump:**
- **Model:**  
  - Intake (m): 27.4

**Testing:**
- **Rate (lpm):** 34.2  
  - **Time (minute):** 120.0  
  - **Level End (m):** 17.7  
  - **Drawdown (m):** 1.2  
  - **Rec'd intake (m):** 27.4  
  - **Rec'd Rate (lpm):** 31.9

**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 42.1 (m)
NPWL (m): 18.3
Abandonment:

Casing:
Type: Steel
Depth (m): 39.9
Bottom (m): 39.9
OD (mm): 108.0
Thickness (mm):
Seal Type: Driven

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2
from (m): 39.9 to 41.2 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 36.5
Time (minute):
Level End (m): 19.2
Drawdown (m): 0.9
Rec'd intake (m): 27.4
Rec'd Rate (lpm):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Barium
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
TC
DIC
arsenic
Barium
Beryllium
Cadium
Chromium
Cobalt
Copper
Lead

Mercury
Nickel
Selenium
Molybdenum
Vanadium
Zinc
Hydroxide
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Number 02847
Well Owner: Chartrand, Leo
Drilling Contractor: Elliott Drig
Elevation (AMSL) (m): 746
AEP: 260696
Licence No.: Easting: 69,278.15
Date Started: Northing: 5,940,684.50
Date Completed: 24 Oct 72

Depth Elevation (BGL) (AMSL) Lithologic Description
(m) (m) II
6.1 739.7 Clay Brown
22.9 722.9 Sand Brown
25.9 719.9 Sand Blue
39.6 706.1 Sand Fine Grained Blue
41.2 704.6 Sand Coarse Grained Light Blue
42.1 703.7 Shale

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Database: 1.000H
Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 19.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 30.8
- **Bottom (m):** 30.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1

**Seal Type:** Formation Seal

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 33.8 to 35.4 Size: 0.01
- **from (m):** to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):** 23.8

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 21.3
- **Drawdown (m):** 1.5
- **Rec'd intake (m):** 27.4
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 02849**

**Well Owner:** David, Jim & Audrey  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 746  
**AEP:** 260716  
**Date Started:**  
**Date Completed:**  
**Easting:** 69278.15  
**Northing:** 5940684.50

### General

- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth (m):**  
  - NPWL (m): Verified NPWL (m):  
- **Abandonment:**
  - Depth (m):  
  - Bottom (m):  
  - OD (mm): Thickness (mm):  
  - Seal Type: from (m): to  

### Casing

- **Type:**  
  - Depth (m): Bottom (m):  
  - OD (mm): Thickness (mm):  
  - Seal Type: from (m): to  

### Liner

- **Type:**  
  - OD (mm): Thickness (mm):  
  - Top (m): Bottom (m):  
  - Perforated How: from (m): to Size:  
  - from (m): to Size:  

### Screen

- **Material:**  
  - OD (mm):  
  - from (m): to Size:  
  - from (m): to Size:  

### Open Hole

- **from (m):** to  

### Pump

- **Model:**  
- **Intake (m):**  

### Testing

- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory

- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

### Electric Log

- **Transmissivity:** m²/day  

### Gamma Log

- **Storativity:**  

### Aquifer Test

- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number 02850**

**Well Owner:** De Neve, Dan

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 746

**Licence No.:** Easting: 69,278.15

**Date Started:** Northing: 5,940,684.50

**Date Completed:**

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic

**Completed Depth (m):** 76.2

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

### Casing:

- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

### Liner:

- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):

**Perforated How:**

- from (m): to
  - **Size:**
  - from (m): to
  - **Size:**
  - from (m): to
  - **Size:**

### Screen:

- **Material:**
  - **OD (mm):**
    - from (m): to
    - from (m): to
    - from (m): to

**Open Hole:**

- from (m): to

### Pump:

- **Model:**
  - **Intake (m):**

### Testing:

- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Rec'd Rate (lpm):**
  - **Rec'd intake (m):**

### Laboratory:

- **26 Jan 84**

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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

*printed on 2/20/98*
**SW 05-054-27 W4M**

**Well Number:** 02851

**Well Owner:** Denis, Bill

**Drilling Contractor:** Caribou Drilling Ltd.

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<td>Easting:</td>
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<tr>
<td>Northing:</td>
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**General:**

- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 20.7 (m)
- **NPWL (m):** 16.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Cribbing
- **Depth (m):** 20.7
- **Bottom (m):** 20.7
- **OD (mm):** 508.0
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to
- **Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **Open Hole:**
- **from (m):** to

**Pump:**

- **Model:** Intake (m):
- **Testing:**
- **Rate (lpm):** 4.6
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

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<th>Mercury</th>
</tr>
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<tr>
<td>TOC</td>
<td>Copper</td>
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| Silicon      | Lead | Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27.

**Database:** Project: 1.000H

**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Casing:
- **Type:** Steel
- **Depth (m):** 39.3
- **Bottom (m):** 39.3
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 39.3
- **to (m):** 40.8
- **Size:** 0.02

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 180.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** 38.1
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Nitrite:** Molybdenum
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Barium:** Total Hardness
- **Manganese:** Total Phosphate
- **Sulphate:** Beryllium
- **Beryllium:** Phosphate
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

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<td>Lead</td>
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</table>

### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Database:
- Project: 1.000H

### Remarks:
- Chemical Constituents are in µg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 02853

Well Owner: Edmunds, James
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 750
Licence No.: 260684
Date Started:
Easting: 69,271.31
Date Completed:
Northing: 5,940,510.28

General:
Type of Work: Cathodic Protection
Drilling Method: Drilled
Well Use: Domestic
Completed Depth: 30.5 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
01 Aug 72
pH (pH unit): 7.30
Cond. (µS/cm): 580.0
TDS: 552.0
Sodium: 8.89
Calcium: 87.98
Magnesium: 30.04
Carbonate: DIC
Bicarbonate: ARS
Aluminium: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: 0.46
Iron: 0.10
TOC: Copper
Silica: Lead

Electric Log: No
Gamma Log: No
Aquifer Test: No
Testing: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27

Remarks:

AEP Data: Yes
Well Field Verified: No
Project: 1.000H
Database:

Printed on 2/20/98
### General
- **Well Use:** Domestic
- **Well Use:** Chemistry
- **Drilling Method:** Drilled
- **Completed Depth:** 39.9 m
- **Well Use:** Domestic
- **NPWL (m):** 39.9
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):**
- **to**

#### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):**
- **to**
- **Size:**

#### Screen
- **Material:**
- **OD (mm):**
- **from (m):**
- **to**
- **Size:**

#### Open Hole
- **from (m):**
- **to**

#### Pump
- **Model:**
- **Intake (m):**

#### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

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### Depth Elevation
- **Elevation (BGL) (m):**
- **Elevation (AMSL) (m):**
- **Lithologic Description**

| Lithologic Description | (No Lithologic Information Available) |

### Remarks
- Water Well Positioned by PFRA in 10TM NAD 27

### Electric Log
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **TOC:**
- **Database:**
- **AEP Data:**
- **Project:**
- **Amm. Nitrogen:**
- **Chromium:**
- **Copper:**
- **Lead:**
- **Nickel:**
- **Manganese:**
- **Phosphate:**
- **Nitrate:**
- **Nitrile N:**
- **Amm. Nitrogen:**
- **Copper:**
- **Lead:**
- **Nickel:**
- **Manganese:**
- **Phosphate:**
- **Nitrate:**
- **Nitrile N:**

### Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 35.0 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 127.0
- **Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.1
- **from (m):** 32.0 to 33.2
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 29.0
- **Drawdown (m):** 10.7
- **Rec’d intake (m):** 29.0
- **Rec’d Rate (lpm):** 27.4

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 02856**

**Godin, Joe**

**Mcginn, Gerald Drilling Ltd.**

**Well Owner:**

**Drilling Contractor:**

**Elevation (AMSL) (m):** 750

**Licence No.:** Easting: 69,092.03

**Date Started:** Northing: 5,940,644.50

**Date Completed:**

**Type of Work:** New Well

**Drilling Method:** Rotary

**Well Use:** Domestic

**Completed Depth:** 45.7 (m)

**NPWL (m):** 15.2

**Abandonment:**

**Type:** Galvanized Steel

**Depth (m):** 38.4

**Bottom (m):** 38.4

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Seal Type:** Loose

**from (m):** to 38.4

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

**from (m):** to Size:

**from (m):** to Size:

**from (m):** to Size:

**Material:** St

**OD (mm):** 0.9

**from (m):** 38.4 to 39.6

**Size:** 0.01

**from (m):** to Size:

**Bottom (m):** Top (m):

**Thickness (mm):**

**OD (mm):**

**Seal Type:**

**Type:**

**Bottom (m):**

**Top (m):**

**Perforated How:**

**Size:** from (m): to

**Size:** from (m): to

**Size:** from (m): to

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to

**Size:**

**from (m):** to

**Open Hole:**

**from (m):** to

**Pump:**

**Model:**

**Intake (m):**

**Rate (lpm):** 34.2

**Time (minute):** 420.0

**Level End (m):** 10.7

**Rec’vd intake (m):**

**Rec’d Rate (lpm):**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td>SAR (µS/cm)</td>
<td>TDS</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
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<td>DIC</td>
<td>Hydroxide</td>
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<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 54.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): Size:
- **Top (m):** from (m): Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:** 01 Aug 80
- **pH (pH unit):** 8.60
- **Cond. (µS/cm):** 965.0
- **TDS:** 594.0
- **Sodium:** 226.09
- **Potassium:** 1.56
- **Calcium:** 18.04
- **Magnesium:** 3.04
- **Carbonate:** 11.10
- **Bicarbonate:** 591.80
- **Aluminum:** Barium
- **Sulphate:** 41.79
- **Chloride:** 1.06
- **Fluoride:** 0.18
- **Iron:** 0.03
- **TOC:** 4.03
- **Silica:** 10.80

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) - Lithologic Description**

(No Lithologic Information Available)

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 12.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Steel
- **Depth (m):** 73.2
- **Bottom (m):** 73.2
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Seal Type:**

### Liner

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Screen

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Open Hole

- **from (m):** to

### Pump

- **Model:** Sta-Rite
- **Intake (m):**

### Testing

- **Rate (lpm):** 13.7
- **Time (minute):** 480.0
- **Level End (m):** 9.1
- **Rec'd intake (m):** 48.8

### Laboratory

- **pH (pH unit):** 8.40
- **Cond. (μS/cm):** 1109
- **TDS:** 646.0
- **Sodium:** 258.06
- **Potassium:** 3.52
- **Calcium:** 2.00
- **Magnesium:** 6.90
- **Carbonate:** 719.92
- **Aluminium:** 20.17
- **Chloride:** 0.04
- **Fluoride:** 0.13
- **Iron:** 1.04
- **TOC:** 0.04
- **Silica:** 9.90

### Electric Log

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes, Well Field Verified: No

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**printed on 2/20/98**
**Well Number 02859**

**Well Owner:** McCullough, Calvin  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 746  
**AEP:** 282088  
**Licence No.:** Easting: 69,278.15  
**Date Started:** Northing: 5,940,684.50

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic  
- **Completed Depth:** 29.3 (m)  
- **Elevation:** 69,278.15  
- **Well Use:** Domestic  
- **NPWL (m):** Verifed NPWL (m):  
- **Abandonment:**

### Casings:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- **Liner:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  

### Screen:
- **Material:**  
  - **OD (mm):** from (m): to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
  - **Intake (m):**  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
**24 May 73**

- **pH (pH unit):** 7.60  
- **Cond. (µS/cm):** 700.0  
- **TDS:** 500.0  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** 91.98  
- **Magnesium:** 16.00  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** 40.83  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:**  

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong> (pH unit)</td>
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<td><strong>Cond. (µS/cm)</strong></td>
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<td><strong>TDS</strong></td>
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<td><strong>Sodium</strong></td>
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<td><strong>Potassium</strong></td>
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</tr>
<tr>
<td><strong>TOC</strong></td>
</tr>
<tr>
<td><strong>Silica</strong></td>
</tr>
</tbody>
</table>

- **Open Hole:** from (m): to

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:

### Aquifer Test:
- **AEP Data:** Yes  
  - **Well Field Verified:** No

### Remarks:

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
### General:
- **Well Owner:** Morrison, L.W.
- **Drilling Contractor:** Holland Drilling Ltd.
- **Well Number:** 02860
- **Elevation (AMSL) (m):** 747
- **AEP:** 260680
- **Licence No.:** Easting: 69,105.87
- **Date Started:** 03 Oct 77
- **Northing:** 5,940,698.50
- **Date Completed:** 04 Oct 77

### Lithologic Description

<table>
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<th>NPWL (m)</th>
<th>Completed Depth (m)</th>
<th>Verificated NPWL (m):</th>
<th>Abandonment:</th>
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</thead>
<tbody>
<tr>
<td>18.3</td>
<td>41.2</td>
<td></td>
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</tbody>
</table>

### Casing:
- **Type:** Steel
- **Depth (m):** 41.2
- **Bottom (m):** 41.2
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Puddled Clay
- **from (m):** to 24.4

### Liner:
- **Type:** Steel
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.3
- **from (m):** to 33.5
- **to 39.6**
- **Size:**
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Type:** Sub
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 68.4
- **Time (minute):** 360.0
- **Level End (m):**
- **Drawdown (m):** 19.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electrical Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes
- **Database:** 1.000H

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 24.4 (m)
- **NPWL (m):** 69,278.15
- **Verified NPWL (m):** 69,278.15
- **Abandonment:**

### Casing
- **Type:**
  - Depth (m):
  - Bottom (m):
- **OD (mm):**
  - Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole
- **from (m): to**

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory
- **24 Oct 75**

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<td>COD</td>
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<td>Nickel</td>
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<td>Nitrate &amp; Nitrite</td>
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</table>

### Electric Log & Gamma Log
- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:**
- **TOC:** 473.0
- **Screen:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description
**Lithologic Information Available**

### Remarks
- Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Well Number:** 02861

**Well Owner:** Odegard, G.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 746

**AEP:** 260682

**Date Started:**

**Date Completed:**

---

**Printed on 2/20/98**
**Well Number 02862**

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
- **NPWL (m):** 42.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:** from (m): Size:
- **from (m):** Size:
- **from (m):** Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **14 Jul 81**
- **pH (pH unit):** 7.90
- **COD:** Mercury
- **Con. (µS/cm):** 538.0
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Selenium
- **Potassium:** Strontium
- **Calcium:** Molybdenum
- **Magnesium:** Vanadium
- **Carbonate:** Zinc
- **Bicarbonate:** Hydroxide
- **Total Hardness:** 194.00
- **Barium:** Arsenic
- **Manganese:** Total Hardness
- **Sulphate:** Beryllium
- **Chloride:** Phosphate
- **Fluoride:** Cadmium
- **Amm. Nitrogen:** Ion Balance 0.87
- **Iron:** Cobalt
- **Total Phosphate:** Copper
- **TOC:** Total Alkalinity 289.0
- **Silica:** Lead
- **Nitrate & Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 02862

**Well Owner:** Otto, Vern

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 746

**AEP:** 282008

**Licence No.:**

**Date Started:**

**Northing:** 5940.684.50

**Date Completed:**

**Project:** 1.000H

**Database:**

**AEP Data:** Yes

**Well Field Verified:** No

**Transmissivity:** m³/day

**Storativity:**

**AEP Log:** No

**Aquifer Test:** No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** 12.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Unknown
- **Depth (m):** 43.3
- **Bottom (m):** 43.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 43.3

**Liner:**

- **Type:**
- **OD (mm):** 116.8
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 57.9

**Perforated How:** Torch
- **from (m):** 51.8 to 57.9
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):**

**Pump:** Sub

- **Model:**
- **Intake (m):** 49.4

**Testing:**

- **Rate (lpm):** 36.5
- **Time (minute):** 60.0
- **Level End (m):** Drawdown (m): Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
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<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</table>

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation**

<table>
<thead>
<tr>
<th>(BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>3.1</td>
<td>742.7</td>
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<td>12.2</td>
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<td>43.3</td>
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<td>44.8</td>
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<td>55.5</td>
<td>690.3</td>
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<tr>
<td>57.9</td>
<td>687.9</td>
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</table>

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
SW 05-054-27 W4M

Well Owner: Paul, Ray
Drilling Contractor: Big Iron Drilling Ltd.

Well Number 02864

Elevation (AMSL) (m): 746
Licence No.: AEP: 260708
Date Started: 18 Apr 78
Easting: 69,278.15
Date Completed: 19 Apr 78
Northing: 5,940,684.50

General:
Type of Work: New Well
Drilling Method: Drilled
Well Use: Domestic
Completed Depth 61.0 (m)
NPWL (m): 7.6 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 61.0 Bottom (m): 61.0
OD (mm): 141.2 Thickness (mm):
Seal Type: Driven
from (m): to 36.6

Liner:
Type: Driven
OD (mm): 114.3 Thickness (mm):
Top (m): Bottom (m): 61.0

Perforated How: Torch
from (m): 51.8 to 61.0 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m):

Testing:
Rate (lpm): 11.4 Time (minute): 60.0
Level End (m): 61.0 Drawdown (m): 53.3
Rec'd intake (m): 55.5 Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 68,983.88
- **Verified NPWL (m):** 68,983.88
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Sodium:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Beryllium:**
- **Barium:**
- **Beryllium:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrates & Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02866

Well Owner: Pearce, Donald W.

Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 746

Well Use: Domestic

Licence No.: 746.278.15

Date Started: 26 May 81

NPWL (m): 29.3

Abandonment: (No Lithologic Information Available)

Well Number:

Well Owner:

Licence No.:

Date Started:

Elevation (AMSL) (m):

Well Use:

Date Completed:

NPWL (m): Verified NPWL (m):

Abandonment:

Casing:

Type:

Depth (m):

Bottom (m):

OD (mm):

Thickness (mm):

Seal Type:

from (m):

to

Liner:

Type:

OD (mm):

Thickness (mm):

Top (m):

Bottom (m):

Perforated How:

from (m):

to

Size:

from (m):

to

Size:

from (m):

to

Size:

Screen:

Material:

OD (mm):

from (m):

to

Size:

from (m):

to

Size:

Open Hole:

from (m):

to

Pump:

Model:

Intake (m):

Testing:

Rate (lpm):

Time (minute):

Level End (m):

Drawdown (m):

Rec'd intake (m):

Rec'd Rate (lpm):

Laboratory:

pH (pH unit): 8.10

Cond. (µS/cm): 743.0

TDS: 398.0

Sodium: 37.03

Potassium: 3.52

Calcium: 79.96

Magnesium: 22.01

Carbonate: 486.86

Bicarbonate: 22.01

Aluminium: 14.89

Chloride: 79.96

Fluoride: 0.20

Iron: 2.71

TOC: 22.01

Silica: 18.40

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

26 May 81

2.71

14.89

18.40

1.000H

Water Well Positioned by PFRA in 10TM NAD 27
## SW 05-054-27 W4M

**Well Owner:** Raekie, Don  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(BGL) (AMSL)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>(m) (m)</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Lithologic Description</strong></td>
</tr>
<tr>
<td><strong>Completed Depth</strong> 28.7 (m)</td>
<td>7.6 741.5 Clay &amp; Rocks</td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 15.2</td>
<td>10.7 738.4 Clay</td>
</tr>
<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td>22.9 726.2 Sand &amp; Coal Water Bearing</td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td>27.4 721.7 Till &amp; Rocks</td>
</tr>
</tbody>
</table>

| **Casing:** | 28.7 720.4 Sand |
| **Type:** Plastic | |
| **Depth (m):** 27.1 | **Casing:** |
| **Bottom (m):** 27.1 | **Type:** Plastic |
| **OD (mm):** 127.0 | **Elevation:** |
| **Thickness (mm):** 0.1 | 14 Apr 86 |
| **Seal Type:** | 15 Apr 86 |
| **from (m):** to | Irmc Water Well Service & Supply Co. Ltd |

| **Liner:** | **Testing:** |
| **Type:** | **Rate (lpm):** 36.5 |
| **OD (mm):** 1.2 | **Time (minute):** 240.0 |
| **Top (m):** | **Level End (m):** |
| **Bottom (m):** | **Rec'd Rate (lpm):** |
| **from (m):** to | **Rec'd intake (m):** |
| **from (m):** to | **Screen:** |
| **from (m):** to | **Size:** |

| **Open Hole:** | **Material:** St |
| **from (m):** to | **OD (mm):** 1.2 |
| **from (m):** to | **from (m):** to |
| **from (m):** to | **Size:** |

| **Pump:** | **Intake (m):** |
| **Model:** | **Testing:** |
| **Intake (m):** | **Level End (m):** |
| **Rec'd intake (m):** | **Rec'd Rate (lpm):** |
| **Rec'd rate (lpm):** | **Perforated How:** |
| **Size:** | **Size:** |
| **Size:** | **Size:** |

| **Laboratory:** | **Chemical Constituents are in mg/l (ppm). Except as noted.** |
| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |
| **Database:** | **Project:** 1.000H |
| **AEP Data:** Yes | **Well Field Verified:** No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number**: 02868  
**Well Owner**: Riczu, Michael  
**Drilling Contractor**: Unknown Driller  

**Elevation (AMSL) (m)**: 746  
**AEP**: 260697  
**Date Started**: 20 Jun 75  
**Date Completed**:  

### General:
- **Type of Work**: Chemistry  
- **Drilling Method**: Unknown  
- **Well Use**: Domestic  
- **Completed Depth**: 29.0 (m)  
- **NPWL (m)**:  
- **Verified NPWL (m)**:  
- **Abandonment**:  

### Casing:
- **Type**:  
- **Depth (m)**: Bottom (m):  
- **OD (mm)**: Thickness (mm):  
- **Seal Type**: from (m): to  

### Liner:
- **Type**:  
- **OD (mm)**: Thickness (mm):  
- **Top (m)**: Bottom (m):  
- **Perforated How**: from (m): to Size:  
- **from (m): to Size**:  
- **from (m): to Size**:  

### Screen:
- **Material**:  
- **OD (mm)**:  
- **from (m): to Size**:  
- **from (m): to Size**:  
- **from (m): to Size**:  

### Open Hole:
- **from (m): to**  

### Pump:
- **Model**: Intake (m):  

### Testing:
- **Rate (lpm)**: Time (minute):  
- **Level End (m)**: Drawdown (m):  
- **Rec’d intake (m)**: Rec’d Rate (lpm):  

### Laboratory:

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<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
<th>Description</th>
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</thead>
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<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<tr>
<td>Sodium</td>
<td>5.98</td>
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<td>TOC</td>
<td>283.0</td>
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<td>Silica</td>
<td>Lead</td>
<td>283.0 (m)</td>
<td>Lead</td>
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<tr>
<td>Chemical Constituents</td>
<td>in mg/l</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</table>

### Electric Log:
- **Transmissivity**: m²/day  
- **Storativity**:  
- **Aquifer Test**: No  
- **Project**: Database: 1.000H  
- **AEP Data**: Yes  

- **Remarks**:  

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02869

Well Owner: Rorison, W.C.
Drilling Contractor: Elliott Drlg

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 45.1 (m)
- NPWL (m): 19.2
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 40.8
- Bottom: 40.8
- OD (mm): 108.0
- Thickness (mm):
- Seal Type: from (m): to

Liner:
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material: St
- OD (mm):
- from (m): 40.8 to 42.1 Size: 0.02
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Sub
- Model:
- Intake (m):

Testing:
- Rate (lpm): 68.4
- Time (minute): 240.0
- Level End (m): 38.4
- Drawdown (m): 19.2
- Rec'd intake (m): 24.4
- Rec'd Rate (lpm):

Laboratory:
- 07 Jan 74
- pH (pH unit): 7.10
- COD: Mercury
- Cond. (µS/cm): 800.0
- SAR: Nickel
- TDS: 431.0
- TKN: Selenium
- Sodium: 25.07
- Nitrate: Strontium
- Potassium: 2.74
- Nitrite: Molybdenum
- Calcium: 96.99
- TN: Vanadium
- Magnesium: 26.02
- TC: Zinc
- Carbonate: DIC
- Hydroxide
- Bicarbonate: 477.10
- Arsenic: Total Hardness 349.00
- Aluminium: Barium
- Manganese
- Sulphate: 14.89
- Beryllium: Phosphate
- Chloride: 1.06
- Cadmium: Ion Balance 0.99
- Fluoride: 0.30
- Chromium: Amm. Nitrogen
- Iron: 24.60
- Cobalt: Total Phosphate
- TOC: Copper
- Total Alkalinity: 391.0
- Silica: Lead
- Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98

Well Number 02869

Elevation (AMSL) (m): 746
AEP: 260691
Licence No.: Easting: 69,278.15
Date Started: Northing: 5,840,684.50
Date Completed: 25 Jul 73

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
6.1 739.7 Clay Brown
20.7 725.0 Sand Brown
23.2 722.6 Sand Coarse Grained Brown
29.0 716.8 Sand Fine Grained Brown
32.0 713.8 Sand Coarse Grained Brown
36.6 709.2 Sand Fine Grained Blue
38.1 707.7 Sand Coarse Grained Brown
42.1 703.7 Sand Coarse Grained Blue
45.1 700.7 Shale Blue

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
Well Number: 02870

Well Owner: Skett, George
Drilling Contractor: Westar Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 746  
**AEP: 260732**
**Licence No.:** 69,278.15  
**Date Started:** 01 Jul 89  
**Nortthing:** 5,940,684.50  
**Date Completed:** 04 Jul 89

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 55.5 (m)
- **NPWL (m):** 13.7  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 44.8  
- **Bottom (m):** 44.8
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe  
- **from (m):** to 44.8

### Liner:
- **Type:**
- **OD (mm):** 76.2  
- **Thickness (mm):** 0.1
- **Top (m):** 42.7  
- **Bottom (m):** 55.5
- **Perforated How:** Machine
- **from (m):** 45.7 to 54.9  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Jacuzzi
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0
- **Level End (m):** 42.7  
- **Drawdown (m):** 29.0
- **Rec'd intake (m):** 39.6  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (μS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Nitrite</td>
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<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Cadmium</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

**Printing date: 2/20/98**
### General:

**Type of Work:** Chemistry  
**Drilling Method:** Drilled  
**Well Use:** Domestic

**Completed Depth:** 21.3 (m)  
**NPWL (m):** 69,278.15  
**Verified NPWL (m):** 26,068.34  
**Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m): to Size:**

**Screen:**
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m): to Size:**

**Open Hole:**
- **from (m): to**

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
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<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
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<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>315.0</td>
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<td>0.32</td>
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<td>Chloride</td>
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<tr>
<td>Fluoride</td>
<td>0.20</td>
<td>Copper</td>
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<tr>
<td>Iron</td>
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<td>Total Alkalinity</td>
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<tr>
<td>TOC</td>
<td>0.20</td>
<td>Lead</td>
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<tr>
<td>Silica</td>
<td>0.20</td>
<td>Nitrate &amp; Nitrite N</td>
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### Electric Log:

<table>
<thead>
<tr>
<th>Electric Log:</th>
<th>Transmissivity:</th>
<th>Water Well Positioned by PFRA in 10TM NAD 27</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>m³/day</td>
<td></td>
</tr>
</tbody>
</table>

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 47.2 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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<th>Unit</th>
<th>Value</th>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS 402.0</td>
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<td>Sodium 17.02</td>
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<td>Strontium</td>
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<td>Potassium 4.30</td>
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<td>Molybdenum</td>
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<td>Zinc</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<td>Bicarbonate 480.76</td>
<td>Arsenic</td>
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<td>Chloride 0.29</td>
<td>Cadmium</td>
<td>Ion Balance 1.01</td>
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<td>Fluoride 0.29</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron 2.06</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC 1.08</td>
<td>Copper</td>
<td>Total Alkalinity 395.0</td>
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<tr>
<td>Silica 18.90</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

### Electric Log:
- Transmissivity: m²/day
- Gamma Log: No
- Storativity: 
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted."
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 29.3 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 28.0
- **Bottom (m):** 28.0
- **OD (mm):** 108.0
- **Thickness (mm):**

### Seal:
- **Type:**
- **from (m):** to
- **Thickness (mm):**

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):**
- **from (m):** to 29.3
- **Size:** 0.01
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 480.0
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 7.10
- **COD:** Mercury
- **Cond. (µS/cm):** 780.0
- **SAR:** Nickel
- **TDS:** 613.0
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** 47.09
- **Magnesium:** 14.96
- **TC:** Zinc
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:** 184.00
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** 28.82
- **Beryllium:** Phosphate
- **Chloride:** 2.13
- **Cadmium:** Ion Balance
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** 4.30
- **Cobalt:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:** 413.0
- **Silica:** Lead
- **Nitrate&Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Information:
- **Well Number:** 02873
- **Well Owner:** Tessier, Joseph M.
- **Drilling Contractor:** Elliott Drig
- **Elevation (AMSL) (m):** 746
- **AEP:** 260694
- **Licence No.:**
- **Easting:** 69,278.15
- **Date Started:** 01 Jan 72
- **Northing:** 5,940,684.50
- **Date Completed:**

### Lithologic Description:
- **(m) (m) (m) (m):**
- **6.1:** 739.7 Clay
- **19.8:** 726.0 Sand Fine Grained Brown
- **23.2:** 722.6 Sand Blue
- **28.0:** 717.7 Sand Fine Grained Blue
- **29.3:** 716.5 Sand White

### Electric Log:
- **No** Transmissivity: m³/day
- **No** Storativity:
- **No** Aquifer Test:
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

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Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 02874**

**Well Owner:** Tibroe, George

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 746

**AEP:** 260720

**Date Started:** 29 Jul 75

**Date Completed:** 30 Jul 75

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### General Information

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 37.8 (m)
- **NPWL (m):** 12.2
- **Abandonment:**

### Casing

- **Type:** Galvanized Steel
- **Depth (m):** 33.2
- **Bottom (m):** 33.2
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Loose
- **from (m):** to 33.2

### Liner

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Screen

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 33.2 to 34.4
- **Size:** 0.01

### Open Hole

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 74.2
- **Rec'd intake (m):** 29.0
- **Rec'd Rate (lpm):**

### Laboratory

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **SKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Iron:**
- **Cobalt:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Alkalinity:**
- **TOC:**
- **Copper:**
- **Total Phosphate:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Water Well Positioned by PFRA in 10TM NAD 27**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Database:** 1.000H

**Project:**

**AEP Data:** Yes

**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.5 (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 29.0
- **Bottom (m):** 29.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** From (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** From (m): to Size:
- **From (m):** to Size:
- **From (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **From (m):** 29.0 to 30.5 Size: 0.01
- **From (m):** to Size:

**Open Hole:**
- **From (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 15.2
- **Drawdown (m):** 7.6
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS (Total Dissolved Solids):**
- **Sodium:**
- **Nitrate:**
- **Sulphate:**
- **Fluoride:**
- **Chloride:**
- **Bicarbonate:**
- **Carbonte:**
- **Bismuth:**
- **Barium:**
- **Manganese:**
- **Calcium:**
- **Magnesium:**
- **Selenium:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Total Phosphorus:**
- **Silica:**
- **Lead:**
- **Iron:**
- **Copper:**
- **Zinc:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Lead:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Calcium:**
- **Magnesium:**
- **Silica:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 02875**

**Well Owner:** Tilroe, George

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 746

**AEP:** 151928

**Date Started:** 26 Apr 90

**Date Completed:** 30 Apr 90

**Licence No.:** 69,069.40

**Norting:** 5,940,432.00

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 02876

Well Owner: Trojanou, Wally
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 746
Licence No.: 260699
Date Started: 17 Nov 77

Well Number: SW 05-054-27 W4M

Well Use: Domestic

Completed Depth: 30.5 (m)
NPWL (m): 13.7
Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 24.7
OD (mm): 114.3
Thickness (mm):
Seal Type: Loose
from (m): to 24.7

Linier:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 24.7
to 25.9
Size: 0.01
from (m): to
Size:
Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 7.8
Time (minute): 420.0
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
19 Dec 77

pH (pH unit): 7.50
Cond. (µS/cm): 800.0
TDS: 457.0
Sodium: 86.02
Potassium: 3.13
Calcium: 71.94
Magnesium: 14.84
Carbonate: 499.67
Bicarbonate: 499.67
Aluminum: 2.13
Potassium: 18.10
Silica: 15.37

Laboratory:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 m
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 38.4
- **Bottom (m):** 38.4
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Gravel Pack
- **from (m):** to 38.4

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 38.4 to 39.6
- **Top (m):**
- **Bottom (m):**
- **Size:** 0.01
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 37.8

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Level End (m):** 37.8
- **Drawdown (m):** 19.5
- **Rec'd Rate (lpm):** 37.8
- **Rec'd intake (m):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Selenium:**
- **Vanadium:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Total Phosphate:**
- **Nitrate & Nitrite:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (m)**

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<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Clay</td>
<td>3.1</td>
<td>742.7</td>
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<tr>
<td>Sand &amp; Coal</td>
<td>39.6</td>
<td>706.1</td>
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</table>

**Electric Log: No**
**Transmissivity:** m²/day
**Gamma Log: No**
**Storativity:**
**Aquifer Test: No**
**Project:**
**Database: 1.000H**
**AEP Data: Yes**
**Well Field Verified: No**

**Well Number:** 02877

**Well Owner:** Umphrey, Howard

**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

**Elevation (AMSL) (m):** 746
**AEP:** 260728
**Licence No.:**
**Easting:** 69,278.15
**Date Started:** 21 Dec 87
**Northing:** 5,940,684.50
**Date Completed:** 21 Dec 87

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.4 m
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 42.7
- **Bottom (m):** 42.7
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 42.7

### Liner:
- **Type:**
- **OD (mm):** 76.2
- **Thickness (mm):** 0.1
- **Top (m):** 41.2
- **Bottom (m):** 59.4
- **Perforated How:** Unknown
- **from (m):** to 59.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Nitrate:**
- **Nickel:**
- **Sulfate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Printed on 2/20/98
### General:

- **Type of Work:** New Well  
- **Drilling Method:** Cable Tool  
- **Well Use:** Domestic

### Completion Details:

- **Completed Depth:** 50.3 m  
- **NPWL (m):** 9.1

### Abandonment:

**Type:** Steel  
**Depth (m):** 38.4  
**Bottom (m):** 38.4

### Casing:

- **Type:** Driven  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1

### Liner:

- **Type:** Driven  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1

### Screen:

- **Material:**  
- **OD (mm):** 114.3

### Open Hole:

- **OD (mm):**  
- **Thickness (mm):**  

### Pump:

- **Model:** Sub

### Testing:

- **Rate (lpm):** 68.4  
- **Time (minute):** 60.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 21.3  
- **Rec'd Rate (lpm):** 42.7  
- **Rec'd intake (m):**

### Laboratory Results:

- **pH (pH unit):** 7.50  
- **Cond. (µS/cm):** 775.0  
- **TDS:** 506.0  
- **Sodium:** 157.09  
- **Potassium:** 1.17  
- **Calcium:** 32.06  
- **Magnesium:** 7.05  
- **Barium:** 2.00  
- **Aluminium:** 1.05  
- **Chloride:** 0.40  
- **Fluoride:** 593.02  
- **Carbonate:** 11.05  
- **Bicarbonate:** 593.02  
- **Sulphate:** 11.05  
- **Chloride:** 0.40  
- **Fluoride:** 593.02  
- **Iron:** 2.00  
- **TOC:** 0.05  
- **Silica:** 11.05  

### Chemical Constituents:

- **COD:** 7.50  
- **SAR:** 157.09  
- **TKN:** 32.06  
- **TC:** 7.05  
- **TN:** 2.00  
- **DIC:** 593.02  
- **Bicarbonate:** 11.05  
- **Sulphate:** 11.05  
- **Chloride:** 0.40  
- **Fluoride:** 593.02  
- **Iron:** 2.00  
- **TOC:** 0.05  
- **Silica:** 11.05

### Electric Log:

- **Transmissivity:** 861.9  
- **Gamma Log:** 861.9  
- **Aquifer Test:** 861.9

### Project Details:

- **Database:** 1.000H  
- **AEP Data:** Yes

### Water Well Positioned by PFRA in 10TM NAD 27
**Well Number**: 02880

**Well Owner**: William, T.R.

**Drilling Contractor**: Unknown Driller

**Elevation (AMSL) (m)**: 746

**Licence No.**: 260722

**Date Started**: 69,278.15

**Date Completed**: 5,940,684.50

### General:
- **Type of Work**: Chemistry
- **Drilling Method**: Unknown
- **Well Use**: Domestic

### Depth Elevation

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<tbody>
<tr>
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</table>

### Casing:
- **Type**: Depth (m): Bottom (m):
- **OD (mm)**: Thickness (mm):
- **Seal Type**: from (m): to

### Liner:
- **Type**: OD (mm): Thickness (mm):
- **Top (m)**: Bottom (m):

### Screen:
- **Material**: OD (mm):
- **from (m): to Size:**
- **from (m): to Size:**

### Open Hole:
- **from (m): to**

### Pump:
- **Model**: Intake (m):

### Testing:
- **Rate (lpm)**: Time (minute):
- **Level End (m)**: Drawdown (m):
- **Rec'd intake (m)**: Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit)**: COD Mercury
- **Cond. (µS/cm)**: SAR Nickel
- **TDS**: TKN Selenium
- **Sodium**: Nitrate Strontium
- **Potassium**: Nitrite Molybdenum
- **Calcium**: TN Vanadium
- **Magnesium**: TC Zinc
- **Carbonate**: DIC Hydroxide
- **Bicarbonate**: Arsenic Total Hardness
- **Aluminum**: Barium Manganese
- **Sulphate**: Beryllium Phosphate
- **Chloride**: Cadmium Ion Balance
- **Fluoride**: Chromium Amm. Nitrogen
- **Iron**: Cobalt Total Phosphate
- **TOC**: Copper Total Alkalinity
- **Silica**: Lead Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No  Transmissivity: m²/day
### Gamma Log: No  Storativity: 
### Aquifer Test: No  Project: 
### AEP Data: Yes  Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**Well Number:** 02881  

**Well Owner:** Williams, Thomas  
**Drilling Contractor:** Summers, David Drilling  

**Elevation (AMSL) (m):** 750  
**AEP:** 166954  
**Licence No.:** Easting: 69,080.71  
**Date Started:** 01 Apr 92  
**Date Completed:** 02 Apr 92  
**Northing:** 5,840,502.50

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 50.3 (m)  
- **NPWL (m):** 16.8  
- **Verified NPWL (m):**  
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:** Benseal  
  - from (m): 36.8 to 41.2

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** Benseal  
  - from (m): 36.8 to 41.2

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm): 0.1  
- **Top (m):** Bottom (m): 47.2

### Perforated How:
- **Machine**
- **from (m):** to 47.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to
  - from (m): to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 42.7

### Testing:
- **Rate (lpm):** 27.4  
- **Time (minute):** 180.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 25.9  
- **Rec’d intake (m):** 44.2  
- **Rec’d Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
| Well Number: NE 06-054-27 W4M | Well Owner: Miller, Jack |
| Elevation (AMSL) (m): 757 | Drilling Contractor: Irmc Water Well Service & Supply Co. Ltd |
| AEP: 261179 | Licence No.: |
| Date Started: 28 Sep 76 | Easting: 66,437.80 |
| Date Completed: 30 Sep 76 | Northing: 5,941,480.50 |

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 65.8 (m)
- **NPWL (m):** 28.0
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 48.2
- **Bottom (m):** 48.2
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 65.8
- **Perforated How:** Torch
- **from (m):** 48.8 to 65.8
- **Size:**
- **from (m):** to 65.8
- **Size:**
- **from (m):** to 65.8
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Thickness (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 300.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):** 45.7
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:**
- **Database:**
- **Project:**
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
NE 06-054-27 W4M

Well Owner: Osborne Bros.
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 757
AEP: 260974
Licence No.: Easting: 68,437.80
Date Started: Northing: 5,941,480.50
Date Completed: 10 Aug 73

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 32.0 (m)
NPWL (m): 19.2 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 26.5 Bottom (m): 26.5
OD (mm): 108.0 Thickness (mm):
Seal Type: Sand Pack
from (m): to

Liner:
Type: Galvanized Steel
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 26.5 to 27.7 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Mcdougall
Intake (m):

Testing:
Rate (lpm): 16.0 Time (minute): 480.0
Level End (m): 27.7 Drawdown (m): 8.5
Rec’d intake (m): 24.4 Rec’d Rate (lpm):

Laboratory: 12 Aug 74
pH (pH unit): 7.20 COD Mercury
Cond. (µS/cm) 850.0 SAR Nickel
TDS 462.0 TKN Selenium
Sodium 20.93 Nitrate Strontium
Potassium 3.91 Nitrite Molybdenum
Calcium 103.01 TN Vanadium
Magnesium 27.97 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 496.62 Arsenic Total Hardness 371.00
Aluminum 7.92 Barium Manganese
Sulphate 2545.59 Beryllium Phosphate
Chloride 3.90 Cadmium Ion Balance 0.90
Fluoride 0.28 Chromium Amm. Nitrogen
Iron 0.8 Cobalt Total Phosphate
TOC 2.6 Copper Total Alkalinity 408.0
Silica 1.8 Lead
Laboratory: 12 Aug 74
pH (pH unit): 7.20 COD Mercury
Cond. (µS/cm) 850.0 SAR Nickel
TDS 462.0 TKN Selenium
Sodium 20.93 Nitrate Strontium
Potassium 3.91 Nitrite Molybdenum
Calcium 103.01 TN Vanadium
Magnesium 27.97 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 496.62 Arsenic Total Hardness 371.00
Aluminum 7.92 Barium Manganese
Sulphate 2545.59 Beryllium Phosphate
Chloride 3.90 Cadmium Ion Balance 0.90
Fluoride 0.28 Chromium Amm. Nitrogen
Iron 0.8 Cobalt Total Phosphate
TOC 2.6 Copper Total Alkalinity 408.0
Silica 1.8 Lead

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: Yes Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**NE 06-054-27 W4M**

**Well Owner:** Savard, Lloyd & Harold  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 757  
**AEP:** 261177  
**Licence No.:** Easting: 66,437.80  
**Date Started:** 23 Jul 74  
**Noting:** 5,941,480.50  
**Date Completed:** 12 Aug 74

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 83.5 (m)  
- **NPWL (m):** 19.8  
- **Verified NPWL (m):**  
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 57.3  
- **Bottom (m):** 57.3  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):**  
- **to:**

#### Liner:
- **Type:**  
- **OD (mm):** 88.9  
- **Thickness (mm):** 0.0  
- **Top (m):**  
- **Bottom (m):** 82.6  
- **Perforated How:** Torch  
- **from (m):** 57.3  
- **to:** 52.1  
- **Size:**  
- **from (m):**  
- **to:**

#### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**

#### Open Hole:
- **from (m):**  
- **to:**

#### Pump:
- **Model:**  
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 16.0  
- **Time (minute):** 420.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 22.9  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

### Laboratory:

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### Lithologic Description:

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### Testing Results:

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### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 80.8 m
- **NPWL (m):** Verified NPWL (m): [No Lithologic Information Available]
- **Abandonment:**

## Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

## Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

## Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **31 Jan 81**
  - **pH (pH unit):** 8.60
  - **Cond. (µS/cm):** 956.0
  - **TDS:** 599.0
  - **Sodium:** 250.01
  - **Potassium:** 1.56
  - **Calcium:** 5.01
  - **Magnesium:**
  - **Carbonate:** 15.00
  - **Bicarbonate:** 508.21
  - **Aluminium:**
  - **Arsenic:**
  - **Sulphate:** 74.93
  - **Chloride:** 2.13
  - **Fluoride:** 1.77
  - **Iron:** 0.31
  - **TOC:**
  - **Silica:** 7.40
  - **COD:** Mercury
  - **SAR:** Nickel
  - **TKN:** Selenium
  - **Nitrate:** Strontium
  - **Nitrite:** Molybdenum
  - **Beryllium:** Vanadium
  - **Boron:** Zinc
  - **Cadmium:** Hydroxide
  - **Barium:** Total Hardness 14.00
  - **Manganese:**
  - **Beryllium:** Phosphate
  - **Cadmium:** Ion Balance 1.07
  - **Chromium:** Amm. Nitrogen
  - **Cobalt:** Total Nitrate
  - **Copper:** Total Alkalinity 441.0
  - **Lead:**
  - **Nitrate & Nitrite:**
  - **Calcium:**
  - **Magnesium:**
  - **Zinc:**
  - **Molybdenum:**
  - **Total Hardness:**
  - **Bicarbonate:**
  - **Barium:**
  - **Manganese:**
  - **Aluminium:**
  - **Arsenic:**
  - **Sulfate:**
  - **Chloride:**
  - **Fluoride:**
  - **Iron:**
  - **TOC:**
  - **Silica:**

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **TOC:**
**Project:** Database: 1.000H  **AEP Data:** Yes  **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printing on:** 2/20/98
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 29.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

- **22 Jun 77**
- **pH (pH unit):** 7.50
- **Cond. (µS/cm):** 870.0
- **TDS:** 481.0
- **Sodium:** 195.96
- **Potassium:** 2.35
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** 511.87
- **Aluminium:** Barium
- **Sulphate:** 27.86
- **Chloride:** Cadmium
- **Fluoride:** 0.30
- **Iron:** 0.10
- **TOC:** Copper
- **Silica:** 19.70
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

-Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 30.5 (m)
- **NPWL (m):** 13.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 25.0
- **Bottom (m):** 25.0
- **OD (mm):** 115.8
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 25.0
- **to:** 26.2
- **Size:** 0.01
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** McDougall
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 480.0
- **Level End (m):** 18.3
- **Drawdown (m):** 4.9
- **Rec’d intake (m):** 23.5
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **OD:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

*Printed on 2/20/98*
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
  - NPWL (m): 13.7
  - Verified NPWL (m):
  - Abandonment:

**Casing:**

- **Type:** Galvanized Steel
- **Depth (m):** 30.2
  - Bottom (m): 30.2
- **OD (mm):** 115.8
  - Thickness (mm): 0.1
- **Seal Type:** Sand Pack
  - from (m): to

**Liner:**

- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
  - from (m): 30.2 to 31.4
  - Size: 0.01
  - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:** Sub

- **Model:** Mcdougall
  - Intake (m):

**Testing:**

- **Rate (lpm):** 22.8
  - Time (minute): 570.0
- **Level End (m):** 24.1
  - Drawdown (m): 10.4
- **Rec'd intake (m):** 28.4
  - Rec'd Rate (lpm):

**Laboratory:**

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<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
<td>TDS</td>
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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
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</table>

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Well Number:** 02888

- **Elevation (AMSL) (m):** 799
- **AEP:** 261171
- **Licence No.:** Easting: 67,431.68
- **Date Started:** Northing: 5,941,768.00
- **Date Completed:** 26 Aug 73

**Depth Elevation (BGL) (AMSL):**

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<td>33.5</td>
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<td>35.0</td>
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**Database:** Project: 1.000H

**Water Well Positioned by PFRA in 10TM NAD 27**

- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **TOC:** Lead
- **Silica:** Nitrate & Nitrite N
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Field Verified:** Yes
# NH 06-054-27 W4M

**Well Number:** 02889

**Well Owner:** Osborne Bros.

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 797

**AEP:** 261176

**Licence No.:** Easting: 67,348.95

**Date Started:** Northing: 5,941,763.50

**Date Completed:** 28 Aug 73

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 12.2
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:

- **Type:** Galvanized Steel
- **Depth (m):** 30.2
- **OD (mm):** 115.8
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack

#### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **Size:**
- **Thickness (mm):**

#### Screen:

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 30.2
- **to (m):** 31.4
- **Size:** 0.01

#### Open Hole:

- **from (m):**
- **to (m):**

#### Pump:

- **Model:** Mc Dougall

#### Testing:

- **Rate (lpm):** 63.9
- **Time (minute):** 270.0
- **Level End (m):** 24.1
- **Drawdown (m):** 11.9
- **Rec'd Rate (lpm):** 28.7
- **Rec'd intake (m):**

---

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---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Electric Log:** No  **Transmissivity:** m²/day

**Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Project:** Database: 1.000H

**AEP Data:** Yes  **Well Field Verified:** No

---

**Database:** 200H

**Printed on:** 2/20/98
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<td>Drilling Method: Drilled</td>
<td>(m)</td>
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<td>Casing:</td>
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<td>Bottom (m):</td>
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<td>Thickness (mm):</td>
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<td>from (m):</td>
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<tr>
<td>Pump:</td>
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<td>Rec'd intake (m):</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |
| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 34.1 m
**NPWL (m):** 34.1
**Verified NPWL (m):** 34.1

**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:** 05 Nov 73
- **pH (pH unit):** 7.40
- **Cond. (µS/cm):** 775.0
- **TDS:** 436.0
- **Sodium:** 5.98
- **Potassium:** 3.91
- **Calcium:** 111.02
- **Magnesium:** 31.01
- **Bicarbonate:** 447.81
- **Aluminium:** Barium
- **Sulphate:** 55.23
- **Chloride:** 1.06
- **Fluoride:** 0.32
- **Iron:** 1.80
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 06-054-27 W4M**

**Well Owner:** Bradley, Bill/Bjork, J. N/Own  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.  

**Well Number 02892**

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<td>Date Completed:</td>
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<td>Northing: 5,941,765.50</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 32.0 (m)  
- **NPWL (m):** 13.7  
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 26.2  
- **Bottom (m):** 26.2  
- **OD (mm):** 114.3  
- **Thickness (mm):**
  - from (m): to
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
  - OD (mm):
    - from (m): to
    - Top (m):
    - Bottom (m):
- **Perforated How:**
  - from (m): to
  - from (m): to
  - from (m): to

**Screen:**
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 26.2  
- **to:** 29.0  
- **Size:** 0.01  
- **Thickness (mm):**
  - from (m): to
  - from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 18.2  
- **Time (minute):** 420.0  
- **Level End (m):** 19.8  
- **Drawdown (m):** 6.1  
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  
- **DIC:** Hydroxide  
- **Carbonate:** Hydroxide  
- **Bicarbonate:** Hydroxide  
- **Aluminium:** Manganese  
- **Sulphate:** Phosphate  
- **Chloride:** Ion Balance  
- **Fluoride:** Amm. Nitrogen  
- **Iron:** Total Phosphate  
- **TOC:** Total Alkalinity  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

*Water Well Positioned by PFRA in 10TM NAD 27*

printed on 2/20/98
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):**
  - Veriﬁed NPWL (m):
- **Abandonment:**

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**Laboratory:** 19 Jun 79

| pH (pH unit) | 8.60 |   |
| Cond. (µS/cm) | 1937 |   |
| TDS | 1173 |   |
| Sodium | 448.04 |   |
| Potassium | 1.56 |   |
| Calcium | 5.01 |   |
| Magnesium | 0.97 |   |
| Carbonate | 11.10 |   |
| Bicarbonate | 708.94 |   |
| Calcium | 133.04 |   |
| Chloride | 224.04 |   |
| Fluoride | 0.06 |   |
| Iron | 0.37 |   |
| TOC | 15.80 |   |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

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**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 02893

**Well Owner:** Bradley, William

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 778

**AEP:** 261156

**Date Started:**

**Date Completed:**

**Licence No.:**

**Easting:** 67,956.56

**Northing:** 5,941,777.00

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**TOC:** 15.80

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 02894

**Well Owner:** Cantin, Robert

**Drilling Contractor:** Unknown Driller

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m):
    - to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m):
    - to
    - Size:
  - from (m):
  - to
  - Size:

### Open Hole:
- **from (m):**
- to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **07 May 81**
- **pH (pH unit):** 7.70
- **Cond. (µS/cm):** 877.0
- **TDS:** 540.0
- **Sodium:** 224.94
- **Potassium:** 2.35
- **Calcium:** 3.01
- **Magnesium:**
- **Carbonate:** 521.03
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Salts:**
- **Sulphate:** 49.95
- **Chloride:** 2.84
- **Fluoride:** 0.31
- **Iron:** 0.04
- **TOC:**
- **Silica:** 20.30

### Chemical Constituents:
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TC:** Vanadium
- **DIC:** Zinc
- **TC:** Hydroxide
- **Sulphate:** Arsenic
- **Bicarbonate:** Total Hardness 10.00
- **Aluminium:** Manganese
- **Barium:** Phosphate
- **Chloride:** Ion Balance 1.04
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Copper
- **Silica:** Total Alkalinity 427.0

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remains:**
- Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02895

Well Owner: Christensen, Robert
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 790
AEP: 261134
Date Started: 
Easting: 67,465.95
Date Completed: 
Northing: 5,941,634.50

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<td>(m)</td>
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<td>Bottom (m):</td>
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<td>to</td>
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| Electric Log: No | Transmissivity: m³/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: | Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 86.9 (m)
- **NPWL (m):** 32.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
  - **Depth (m):** 56.1
  - **Bottom (m):** 56.1
- **OD (mm):** 152.4
- **Thickenes (mm):** 0.1
- **Seal Type:** Formation Packer
  - **Depth (m):** from (m) to 56.1

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickenes (mm):** 0.1
  - **Top (m):** 53.0
  - **Bottom (m):** 86.0
- **Perforated How:** Machine
  - **Depth (m):** from (m) to 86.0
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):** from (m) to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
  - **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 46.8
- **Drawdown (m):** 16.8
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **COND. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
  - **OD (mm):**
  - **Size:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
  - **Database:** 1.000H

### AEP Data:
- **AEP:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 02897

**Well Owner:** Gardiner, C.R.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 780

**AEP:** 261167

**Date Started:**

**Easting:** 67,779.62

**Licence No.:**

**Northing:** 5,941,666.50

**Date Completed:**

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### General

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Depth Elevation

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### Casing

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

### Screen

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Open Hole

- **from (m):**

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

- **09 Mar 84**

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### Electric Log

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
**Well Number:** 02898  
**Well Owner:** Hawkins, Barry  
**Drilling Contractor:** Unknown Driller  

### General:
- **Type of Work:** Chemistry  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:** from (m): to Size:  

### Open Hole:
- **Model:**  
- **Intake (m):**  

### Pump:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

### Testing:
- **Electric Log:** No  
- **Gamma Log:** No  
- **Aquifer Test:** No  
- **AEP Data:** Yes  
- **Database:** Project: 1.000H  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 06-054-27 W4M**

**Well Owner:** Hemingson, B.
**Drilling Contractor:** Big Iron Drilling Ltd.

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<th>Depth Elevation (BGL) (AMSL)</th>
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<tr>
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<td><strong>Pump:</strong></td>
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**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
**NW 06-054-27 W4M**

**Well Owner:** Kobewka, L.  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

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<thead>
<tr>
<th>General:</th>
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<tr>
<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>Well Use: Domestic</td>
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<td>Completed Depth 73.2 (m)</td>
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<table>
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<td>Gravel</td>
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<tr>
<td>Clay</td>
<td>27.7</td>
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<tr>
<td>Shale Green</td>
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<td>Shale Gray</td>
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<tr>
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<tr>
<td>Shale gray</td>
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<tr>
<td>Sandstone</td>
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<tr>
<td>Shale Gray</td>
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### Lithologic Description

- **Sand**: 9.1 m, 778.2 m
- **Gravel**: 22.9 m, 764.4 m
- **Clay**: 27.7 m, 759.6 m
- **Shale Green**: 41.2 m, 746.1 m
- **Shale Gray**: 47.9 m, 739.4 m
- **Sandstone**: 61.0 m, 726.3 m
- **Shale gray**: 73.2 m, 714.1 m

### Laboratory Results

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<th>Chemical Constituents</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

### Testing Results

- **Rec’d Intake (m):** 42.7
- **Rec’d Rate (lpm):** 22.8
- **Drawdown (m):** 16.3
- **Time (minute):** 240.0
- **Level End (m):** 42.7

### Electric Log

- Transmissivity: m²/day
- Storativity: m³/day

### Gamma Log

- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 2/20/98
### General
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 44.2 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen
- **Material:** Un
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory
- **pH (pH unit):** 8.00
- **Cond. (µS/cm):** 825.0
- **TDS:** 468.0
- **Sodium:** 63.94
- **Potassium:** 3.91
- **Calcium:** 66.93
- **Magnesium:** 31.98
- **Carbonate:** DIC
- **Bicarbonate:** 447.20
- **Aluminum:** Barium
- **Sulphate:** 71.08
- **Chloride:** 3.90
- **Fluoride:** 0.29
- **Iron:** 2.20
- **TOC:** 0.78
- **Silica:** Lead
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **TOC:** 366.0
- **Screen Material:**
- **Screen Thickness (mm):**
- **Screen OD (mm):**
- **Open Hole:**
- **Model:**
- **Intake (m):**
- **Plant Intake:**
- **Plant Capacity:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **TOC:** 366.0
- **Screen Material:**
- **Screen Thickness (mm):**
- **Screen OD (mm):**
- **Open Hole:**
- **Model:**
- **Intake (m):**
- **Plant Intake:**
- **Plant Capacity:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 02902**

- **Well Owner:** Meisters, Leo
- **Drilling Contractor:** Unknown Driller
- **Well Use:** Domestic
- **Elevation (AMSL) (m):** 782
- **AEP:** 261138
- **Datum:** WGS84
- **Date Started:** 5,941,476.00
- **Date Completed:**

### General Information
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Completed Depth (m):** 45.7
- **NPWL (m):** 450.0
- **Verified NPWL (m):**
- **Abandonment:**
- **Well Use:** Water

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen
- **Material:**
- **OD (mm):** from (m): Size:
- **Top (m):** to **Size:**
- **Bottom (m):** to **Size:**

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory Analysis
- **pH (pH unit):** 7.10
- **Cond. (us/cm):** 870.0
- **TDS:** 860.0
- **Sodium Nitrate:**
- **Calcium (m):** 135.07
- **Magnesium:** 27.97
- **Carbonate DIC:**
- **Bicarbonate:**
- **Nitrate:**
- **Sulphate:** 99.99
- **Chloride:** 10.99
- **Fluoride:**
- **Iron 0.10:**
- **TOC:**
- **Silica Lead:**

### Chemical Constituents
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Note:** Printed on 2/20/98.
Well Number: 02903

Well Owner: Panker Const
Drilling Contractor: Grove Drilling Ltd

Elevation (AMSL) (m): 782
AEP: 261145
Date Started: 67,630.26
Date Completed: 5,941,476.00
18 Feb 74

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth: 11.6 (m)
NPWL (m): 4.3
Verified NPWL (m):
Abandonment:

Type: Concrete
Depth (m): 5.5
Bottom (m): 5.5
OD (mm): 609.6
Thickness (mm):
Seal Type:
from (m): to

OD (mm): 457.2
Thickness (mm):
Top (m): Bottom (m): 11.6

Perforated How: Unknown
from (m): 7.3 to 7.9
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):
Rate (lpm): 9.1
Time (minute): 180.0
Level End (m): 7.3
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminium
Baryum
Sulphate
Chloride
Fluoride
Iron
TOC
Silica
COD
SAR
TKN
Nitrate
Selenium
Vanadium
Zinc
Hydroxide
Arsenic
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Lead
Nitrate
Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
NW 06-054-27 W4M

Well Owner: Quartly, Darrold  
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 777  
AEP: 261163  
Licence No.:  
Date Started: 12 Feb 85  
Date Completed: 14 Feb 85

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3</td>
<td>776.8</td>
<td>Sandstone</td>
</tr>
<tr>
<td>22.9</td>
<td>754.2</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>32.3</td>
<td>744.8</td>
<td>Clay &amp; Sandstone Blue</td>
</tr>
<tr>
<td>36.0</td>
<td>741.1</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>39.0</td>
<td>738.1</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>40.8</td>
<td>736.2</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 40.8 m
- NPWL (m): 15.2
- Verifed NPWL (m):  
- Abandonment:  

Casing:
- Type: Stainless Steel
- Depth (m): 32.9
- Bottom (m): 32.9
- OD (mm): 114.3
- Thickness (mm):  
- Seal Type: from (m): to
- Liner:
- Type:  
- OD (mm): Thickness (mm):  
- Top (m): Bottom (m):  
- Perforated How: from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:  

Screen:
- Material: St
- OD (mm): 1.2
- from (m): 32.9 to 34.1 Size: 0.01
- from (m):  
- Open Hole:
- from (m): to

Pump:
- Model:  
- Intake (m):  
- Testing:
- Rate (lpm): 16.0
- Time (minute): 420.0
- Level End (m): 27.4
- Drawdown (m): 12.2
- Rec'd intake (m): 

Laboratory:
- pH (pH unit):  
- Cond. (µS/cm):  
- COD:  
- SAR:  
- Nickel:  
- TDS:  
- TNK:  
- Selenium:  
- Sodium:  
- Nitrate:  
- Strontium:  
- Potassium:  
- Nitrite:  
- Molybdenum:  
- Calcium:  
- TN:  
- Vanadium:  
- Magnesium:  
- TC:  
- Zinc:  
- Carbonate:  
- DIC:  
- Hydroxide:  
- Bicarbonate:  
- Arsenic:  
- Total Hardness:  
- Aluminum:  
- Barium:  
- Manganese:  
- Sulphate:  
- Beryllium:  
- Phosphate:  
- Chloride:  
- Cadmium:  
- Ion Balance:  
- Fluoride:  
- Chromium:  
- Amm. Nitrogen:  
- Iron:  
- Cobalt:  
- Total Phosphate:  
- TOC:  
- Copper:  
- Total Alkalinity:  
- Silica:  
- Lead:  
- Nitrate&Nitrite N:  

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No  
Transmissivity: m²/day  
Gamma Log: Yes  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No  

printed on 2/20/98
### General:

- **Type of Work:** Chemistry
- **Well Use:** Domestic
- **Completed Depth:** 67.1 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

### Screen:

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m): to Size:

### Open Hole:

- **from (m): to**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):** Rec'd intake (m):
- **Rec'd Rate (lpm):**

### Laboratory:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
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<tr>
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</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>1040</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>710.0</td>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Potassium</td>
<td>Nitrate</td>
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<td>Calcium</td>
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<td>Arsenic</td>
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</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity 415.0</td>
</tr>
<tr>
<td>silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 06-054-27 W4M**

**Well Owner:** Schiller, Orville  
Drilling Contractor: Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 798  
**AEP:** 152036  
**Licence No.:** Easting: 67,433.78  
**Date Started:** 22 Dec 89  
**Northing:** 5,941,759.50  
**Date Completed:** 22 Dec 89

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Well Use: <strong>Domestic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Completed Depth: <strong>32.9</strong> (m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NPWL (m): 12.2</td>
<td>Verified NPWL (m):</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Casing:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type: <strong>Plastic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth (m): <strong>29.6</strong></td>
<td>Bottom (m): <strong>29.6</strong></td>
<td></td>
</tr>
<tr>
<td>OD (mm): <strong>139.7</strong></td>
<td>Thickness (mm): <strong>0.1</strong></td>
<td></td>
</tr>
<tr>
<td>Seal Type: from (m):</td>
<td>to</td>
<td></td>
</tr>
<tr>
<td><strong>Liner:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
<td></td>
</tr>
<tr>
<td>Perforated How: from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td><strong>Screen:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material: <strong>St</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm): <strong>1.5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): <strong>29.6</strong></td>
<td>to <strong>31.4</strong></td>
<td>Size: <strong>0.01</strong></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td><strong>Open Hole:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
<td></td>
</tr>
<tr>
<td><strong>Testing:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rate (lpm): <strong>63.9</strong></td>
<td>Time (minute): <strong>420.0</strong></td>
<td></td>
</tr>
<tr>
<td>Level End (m): <strong>27.4</strong></td>
<td>Drawdown (m): <strong>15.2</strong></td>
<td></td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm): <strong>45.6</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphorus |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

电：791.7  
海相粘土黄色

22.3 775.8  
粘土状粘土红色

27.1 770.9  
粘土蓝色

32.0 766.1  
粗砂粒状灰色

32.9 765.2  
砾石
**NW 06-054-27 W4M**

**Well Owner:** Skye Devel  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number: 02907</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Elevation (AMSL) (m):</strong> 791</td>
</tr>
<tr>
<td><strong>AEP:</strong> 261159</td>
</tr>
</tbody>
</table>
| **Licence No.:** Easting: 67,243.05  
**Date Started:** 24 Aug 79  
**Northing:** 5,941,543.50  
**Date Completed:** 27 Aug 79 |

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 88.1 (m)  
- **NPWL (m):** 30.5  
- **Verified NPWL (m):**  

### Abandonment:
- **Type:** Galvanized Steel  
- **Depth (m):** 58.2  
- **Bottom (m):** 58.2  
- **OD (mm):** 114.3  
- **Thickness (mm):**  

### Casing:
- **Type:** Formation Seal  
- **Bottom (m):** 87.2  
- **Top (m):** 87.2  

### Liner:
- **Type:** Torch  
- **Bottom (m):**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **Thickness (mm):**  

### Open Hole:
- **from (m):** to  
- **Size:**  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 11.4  
- **Time (minute):** 420.0  
- **Level End (m):** 19.8  
- **Rec’ed Rate (lpm):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TN:**  
- **TN:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Chloride:**  
- **Fluoride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **TOC:**  
- **Silica:**  
- **Silica:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  
- **Electric Log:** No  
- **Transmissivity:** m³/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Truman, D.

Drilling Contractor: Big Iron Drilling Ltd.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02909

Well Owner: Walker, Darlene

Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 787
Licence No.: 168341
Date Started: 
Easting: 67,595.79
Date Completed: 
Northing: 5,941,763.00

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic

Completed Depth (m):
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

(printed on 2/20/98)
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 (m)
- **NPWL (m):** 24.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 36.3
- **Bottom (m):** 36.3
- **OD (mm):** 101.6
- **Thickness (mm):**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Rapidayton
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 1440.0
- **Level End (m):** 28.4
- **Drawdown (m):** 4.3
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Vanadium:**
- **Nickel:**
- **Sodium:**
- **Sulphate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Iron:**
- **Barium:**
- **Manganese:**
- **Phosphate:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Phosphate:**
- **Nitrate:**
- **Sulphate:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate:**
- **Sulphate:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<td>Clay &amp; Shale</td>
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**AEP Data:** Yes Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 37.5 m
- **NPWL (m):** 24.4 m
- **Veriﬁed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 35.7
- **Bottom (m):** 35.7
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Seal Type:** Loose
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 6.8
- **Time (minute):** 1440.0
- **Level End (m):** 33.5
- **Drawdown (m):** 9.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

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<td>Nitrate &amp; Nitrite N</td>
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</table>

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

###Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 02911

**Well Owner:** Zoetekow, W.

**Drilling Contractor:** Hokenson Ww Ltd

**Elevation (AMSL) (m):** 782

**AEP:** 261148

**Licence No.:**

**Easting:** 67,630.26

**Northing:** 5,941,476.00

**Date Started:**

**Date Completed:** 01 May 73

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 06-054-27 W4M**

**Well Owner**: Zoetekow, W.

**Drilling Contractor**: Hokenson Ww Ltd

**Well Number**: 02912

**Elevation (AMSL) (m)**: 782

**AEP**: 261143

**Licence No.**

**Date Started**: 00 May 73

**Date Completed**: 01 May 73

---

### General:

- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 39.0 (m)
- **NPWL (m)**: 21.3
- **Verified NPWL (m)**: 101.6
- **Abandonment**: Galvanized Steel
- **Type**: Driven & Grouted
- **Depth (m)**: 37.5
- **Bottom (m)**: 37.5
- **OD (mm)**: 101.6
- **Thickness (mm)**: 37.5

### Casing:

- **Type**: Galvanized Steel

### Well Use:

- **Well Use**: Domestic

### Lithologic Description:

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<tr>
<th>Depth</th>
<th>Elevation</th>
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### Laboratory:

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<th>pH (pH unit)</th>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth | Elevation | Lithologic Description**

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<th>(m)</th>
<th>(m)</th>
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<td>39.0</td>
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<td>Gravel</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log**: No

**Transmissivity**: m³/day

**Gamma Log**: No

**Storativity**: 

**Aquifer Test**: No

**Project**: 1.000H

**Database**: AEP Data: Yes | Well Field Verified: No
### General:
- **Well Owner:** Arminstall, Fraser
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.
- **Well Number:** 02913
- **Elevation (AMSL) (m):** 742
- **AEP:** 261006
- **Licence No.:** Easting: 68,462.56
- **Date Started:** 29 Aug 80
- **Date Completed:** 09 Sep 80

#### Lithologic Description

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#### Casing:
- **Type:** Steel
- **Depth (m):** 45.7
- **OD (mm):** 141.2
- **Thickness (mm):** 114.3
- **Bottom (m):** 45.7
- **Veriﬁed NPWL (m):** 96.3

#### Liner:
- **Type:** Loose
- **OD (mm):** 114.3
- **Thickness (mm):** 141.2
- **Seal Size:** from (m): 45.7 to 45.7

#### Screen:
- **Material:** Steel
- **OD (mm):** 114.3
- **Bottom (m):** 96.3

#### Open Hole:
- **Size:** from (m): 45.7 to 96.3

#### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** 9.1
- **Time (minute):** 420.0
- **Level End (m):** 54.9
- **Rec'd Rate (lpm):**

#### Laboratory:

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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Yes
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 06-054-27 W4M**

**Well Owner:** Baker  
**Drilling Contractor:** Unknown Driller

**Well Number:** 02914  
**Elevation (AMSL) (m):** 742  
**AEP:** 261004  
**Date Started:**  
**Easting:** 68,462.56  
**Northing:** 5,940,690.00  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 29.0 (m)  
- **NPWL (m):** 68,462.56  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
  - from (m): to  
  - Size:  
  - from (m): to  
  - Size:  
  - from (m): to  
  - Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
  - from (m): to  
  - Size:  
  - from (m): to  
  - Size:  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:

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<tbody>
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<td>Silica</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Total Alkalinity:** 432.0

**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Printed on: 2/20/98
Well Number: 02915

Elevation (AMSL) (m): 760
AEP: 261024
Date Started: Easting: 68,056.38
Date Completed: Northing: 5,940,934.00

Well Owner: Book, Reg
Drilling Contractor: Unknown Driller

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 80.8 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm):
 Thickness (mm):
Seal Type:
 From (m):
 to

Liner:
Type:
OD (mm):
 Thickness (mm):
Top (m):
 Bottom (m):
Perforated How:
 From (m):
 to
 Size:

Screen:
Material:
OD (mm):
 From (m):
 to
 Size:

Open Hole:
 From (m):
 to

Pump:
Model:
 Intake (m):
Testing:
 Rate (lpm):
 Time (minute):
Level End (m):
 Depth (m):
Rec'd intake (m):
 Rec'd Rate (lpm):

Laboratory: 19 Jul 84
pH (pH unit): 8.50
Cond. (µS/cm): 975.0
TDS: 596.0
Sodium: 232.99
Nitrate: Molybdenum
Potassium: 0.78
Nitrite: Vanadium
Calcium: 4.01
TC: Zinc
Magnesium: 9.90
DIC: Hydroxide
Bicarbonate: 514.92
Arsenic: Total Hardness 10.00
Aluminum: Barium
Manganese: Selenium
Sulphate: 10.09
Beryllium: Phosphate
Chloride: Cadmium
Ion Balance: 0.97
Fluoride: 1.41
Chromium: Amm. Nitrogen
Iron: 0.21
Cobalt: Total Phosphate
TOC: Copper
Total Alkalinity 439.0
Silica: 6.90

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

(printed on 2/20/98)
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 27.1
- **Bottom (m):** 27.1
- **OD (mm):** 139.7
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to (m):**

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to (m):**
- **Size:**
- **from (m):**
- **to (m):**
- **Size:**
- **from (m):**
- **to (m):**
- **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):**
- **to (m):**
- **Size:** 0.01

**Open Hole:**
- **from (m):**
- **to (m):**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 02916

**Well Owner:** Brace Estates

**Drilling Contractor:** Steinhauer Ent

**Elevation (AMSL) (m):** 742

**AEP:** 261015

**Licence No.:**

**Date Started:** 11 Aug 76

**Date Completed:** 13 Aug 76

**Easting:** 68,462.56

**Northing:** 5,940,690.00

**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Remarks:**

Printed on 2/20/98
**SE 06-054-27 W4M**

**Well Number:** 02917

**Well Owner:** Bradley, W.D.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 742

**AEP:** 261066

**Date Started:**

**Easting:** 68,462.56

**Date Completed:**

**Northing:** 5,940,690.00

**Licence No.:**

**Well Use:** Domestic

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 59.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Thickness (mm):**
- **Seal Type:** from (m): to
- **Type:**
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **At:** from (m): to Size:
- **Bottom (m):** Size:

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **At:** from (m): to Size:
- **Bottom (m):** Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

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<tr>
<th>Laboratory</th>
<th>23 Mar 88</th>
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<tbody>
<tr>
<td><strong>pH (pH unit):</strong> 8.10</td>
<td>COD Mercury</td>
</tr>
<tr>
<td><strong>Con.d. (µS/cm):</strong> 971.0</td>
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<td><strong>TDS:</strong> 613.0</td>
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<td><strong>Sodium:</strong> 216.89</td>
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<td><strong>Silica:</strong> 11.00</td>
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</table>

**Remarks:**

- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**SE 06-054-27 W4M**

Well Owner: **Crawford, Joe**

Drilling Contractor: **Grove Drilling Enterprises (1980) Ltd.**

**Well Number 02919**

- **Elevation (AMSL) (m):** 742
- **AEP: 261025**
- **Licence No.:** Easting: 66,462.56
- **Date Started: 31 Jul 84**
- **Northing: 5,940,690.00**
- **Date Completed: 31 Jul 84**

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 33.5
- **Bottom (m):** 33.5
- **OD (mm):** 101.6
- **Thickness (mm):**

### Seal Type:
- **Loose**
- **from (m):**
- **to:** 33.5

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How:
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 33.5
- **to:** 34.8
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 30.5
- **Drawdown (m):** 15.2
- **Rec'd intake (m):** 30.5
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 36.9 m
- **NPWL (m):** Verified NPWL (m): Unknown
- **Abandonment:** Unknown

### Casing:
- **Type:** Unknown
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:** Unknown
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size: from (m): to Size: from (m): to Size:

### Screen:
- **Material:** Unknown
- **OD (mm):** Thickness (mm):
- **from (m):** to Size: from (m): to Size: from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Unknown
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log: No Transmissivity: m²/day
### Gamma Log: No Storativity:
### Aquifer Test: No
### Project: Database: 1.000H
### AEP Data: Yes Well Field Verified: No

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
### Water Well Positioned by PFRA in 10TM NAD 27

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<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<td>Nitrate</td>
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(printed on 2/20/98)
**Well Number: 02922**

**Well Owner:** Geier, Charles  
**Elevation (AMSL) (m):** 742  
**AEP:** 260977  
**Date Started:**  
**Easting:** 68462.56  
**Date Completed:**  
**Northing:** 5940690.00

**Well Use:** Domestic

**Drilling Contractor:** Unknown Driller

**Well Number:** SE 06-054-27 W4M

**Type of Work:** Chemistry

**Drilling Method:** Bored

**General:**

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**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

| Lithologic Description | (No Lithologic Information Available) |

**Laboratory:** 13 Dec 74

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 02923**

**Well Owner:** Greig, George  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 742  
**AEP:** 261000  
**Date Started:**  
**Northing:** 5,940,690.00  
**Date Completed:**  
**Licence No.:**  

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic  
- **Completed Depth (m):** 54.9  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Intake (m):  
- **Testing:**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **31 Jul 79**  
- **pH (pH unit):** 8.50  
- **COD:** Mercury  
- **Cond. (µS/cm):** 993.0  
- **SAR:** Nickel  
- **TDS:** 626.0  
- **TKN:** Selenium  
- **Sodium:** 241.04  
- **Nitrate:** Strontium  
- **Potassium:** 0.78  
- **Nitrile:** Molybdenum  
- **Calcium:** 5.01  
- **TN:** Vanadium  
- **Magnesium:** 0.97  
- **TC:** Zinc  
- **Carbonate:** 6.00  
- **DIC:** Hydroxide  
- **Bicarbonate:** 477.71  
- **Arsenic:** Total Hardness 18.00  
- **Aluminium:** Barium  
- **Manganese:**  
- **Sulphate:** 89.82  
- **Beryllium:** Phosphate  
- **Chloride:** Cadmium  
- **Ion Balance:** 0.95  
- **Fluoride:** 0.69  
- **Chromium:** Amm. Nitrogen  
- **Iron:** 0.31  
- **Cobalt:** Total Phosphate  
- **TOC:** Copper  
- **Total Alkalinity:** 478.0  
- **Silica:** 8.70  
- **Lead:** Nitrate&Nitrite N  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 78.9 (m)
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:** 
- **Type:** Steel
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 36.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):** Bottom (m): 78.0
- **Perforated How:** Unknown
- **from (m):** to 78.0
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to 

### Pump:
- **Model:** 
- **Intake (m):** 61.0
- **Rate (lpm):** 6.8
- **Time (minute):** 420.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Testing:
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **AEP Data:** Yes

### Lithologic Description
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### Water Well Positioned by PFRA in 10TM NAD 27
**SE 06-054-27 W4M**

**Well Number: 02925**

**Well Owner:** **Iszcenko, A.**

**Drilling Contractor:** **Elliott Drig**

**Elevation (AMSL) (m):** 749

**AEP:** 264202

**Licence No.:** Easting: 68,211.05

**Date Started:** Northing: 5,940,989.50

**Date Completed:** 24 Sep 74

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** 9.1
- **Veriﬁed NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 38.7
- **Bottom (m):** 38.7
- **OD (mm):** 108.0
- **Thickness (mm):**
- **Seal Type:** Gravel Pack
- **from (m):** 38.7
- **to 57.9**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**

**Open Hole:**

- **from (m):**
- **to**

**Pump:**

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 11.4
- **Time (minute):** 180.0
- **Drawdown (m):**
- **Rec’d intake (m):** 36.6
- **Rec’d Rate (lpm):**

**Laboratory:**

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**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 06-054-27 W4M**

**Well Owner:** Johnston, Bert  
**Drilling Contractor:** Unknown Driller

**Well Number 02926**

**Elevation (AMSL) (m):** 742  
**AEP:** 260968

**Date Started:**  
**Easting:** 68,462.56  
**Northing:** 5,940,690.00

**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic  
- **Completed Depth:** 29.9 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd Rate (lpm):** Rec'd intake (m):

### Laboratory:
- **13 Mar 75**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **TOC:**
- **Pump:**
- **Model:**

### Environment:
- **Database:** Project: AEP Data: Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**SE 06-054-27 W4M**

**Well Number: 02927**

**Well Owner:** Johnon, Bent  
**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

**Elevation (AMSL) (m):** 742  
**AEP:** 261068  
**Licence No.:** Easting: 68,462.56  
**Date Started: 22 Feb 88**  
**No.** Northing: 5,940,690.00  
**Date Completed: 22 Feb 88**

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<td>(m)</td>
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<tr>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<tr>
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<tr>
<td>from (m): to <strong>51.8</strong></td>
<td>40.2 702.2 Shale</td>
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<tr>
<th>Open Hole:</th>
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<tbody>
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<td>Intake (m):</td>
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<tr>
<td>Testing:</td>
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<tr>
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<td>Rec'd intake (m): <strong>27.4</strong> Rec'd Rate (lpm): <strong>22.8</strong></td>
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<tr>
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<td>TDS</td>
<td>TKN Selenium</td>
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<td>Sodium</td>
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<tr>
<td>Potassium</td>
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<td>DIC Hydroxide</td>
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<td>Arsenic Total Hardness</td>
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<tr>
<td>Aluminum</td>
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<td>Sulphate</td>
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<td>Chloride</td>
<td>Cadmium Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
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<td>Lead Nitrate&amp;Nitrite N</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
SE 06-054-27 W4M

Well Owner: Lesenko, Barry
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number 02928
Elevation (AMSL) (m): 742
AEP: 261063
Licence No.: Easting: 68,462.56
Date Started: 13 Aug 85
Norting: 5,940,690.00
Date Completed: 14 Aug 85

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 38.1 (m)
- NPWL (m): 10.7
- Abandonment:
- Type: Steel
- Depth (m): 29.9
- Bottom (m): 29.9
- OD (mm): 114.3
- Thickness (mm): 0.0
- Seal Type:
- from (m): to

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

**Screen:**
- Material: St
- OD (mm): 0.9
- from (m): 29.9
- to: 31.1
- Size: 0.01
- from (m): to
- Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): 16.0
- Time (minute): 420.0
- Level End (m): 21.3
- Drawdown (m): 10.7
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Nitrite: Molybdenum
- Potassium: Calcium
- Calcium: Vanadium
- Magnesium: TN
- Sodium: Strontium
- Nitrate: Sodium
- Sulphate: Selenium
- Beryllium: Total Hardness
- Barium: Manganese
- Chloride: Iron Balance
- Fluoride: Chromium
- Iron: Total Nitrogen
- TOC: Copper
- TOC: Total Alkalinity
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) Lithologic Description**
- (m) (m)
- 4.6 737.8 Sand & Gravel Fine Grained Yel
- 11.3 731.1 Clay Yellow
- 17.1 725.3 Clay Blue
- 22.9 719.5 Sand & Gravel Fine Grained
- 24.4 718.0 Clay Blue
- 33.5 708.9 Sand & Coal Gray
- 38.1 704.3 Clay Blue

**Electric Log:** No
Transmissivity: m²/day

**Gamma Log:**
Storativity:

**Aquifer Test:** No

**AEP Data:**
- Database: 1.000H
- Project:
- Well Field Verified: No

**Remarks:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 06-054-27 W4M**

**Well Owner:** Lesenko, Barry/Kathy  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<td>23.2 718.1 Clay Blue</td>
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<td>25.6 715.7 Clay &amp; Sand</td>
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<td>32.3 709.0 Sand &amp; Coal</td>
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<td>Casings:</td>
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<tr>
<td>Type: Plastic</td>
<td>33.5 707.8 Shale Green</td>
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<td>Depth (m): 47.6</td>
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<td>OD (mm): 152.4</td>
<td>39.6 701.7 Shale &amp; Coal Brown</td>
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<td>40.5 700.8 Shale Green</td>
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<td>47.6</td>
<td>49.7 691.6 Shale Hard Green</td>
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<td>Type:</td>
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<td>from (m): to</td>
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**Laboratory:**

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<td>pH (pH unit)</td>
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<td>Aquifer Test: No</td>
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SE 06-054-27 W4M

Well Owner: Osborne Bros.
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number: 02930

Elevation (AMSL) (m): 742
AEP: 260989
Licence No.: Easting: 68,462.56
Date Started: Northing: 5,940,690.00
Date Completed: 09 Aug 73

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 32.0 (m)
NPWL (m): 11.6 Verified NPWL (m): Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 24.1 Bottom (m): 24.1
OD (mm): 115.8 Thickness (mm): 0.1
Seal Type: Sand Pack
from (m): to

Liner:
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 24.1 to 25.6 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Mcdougall
Intake (m): 18.0

Testing:
Rate (lpm): 6.8 Time (minute): 630.0
Level End (m): 18.0 Drawdown (m): 6.4
Rec'd intake (m): 22.6 Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Osborne Bros.
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number 02931

Elevation (AMSL) (m): 742
AEP: 260979
Licence No.: Easting: 68,462.56
Date Started: Northing: 5,940,690.00
Date Completed: 11 Aug 73

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 36.6 (m)
NPWL (m): 23.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 29.9 Bottom (m): 29.9
OD (mm): 115.8 Thickness (mm): 0.1
Seal Type: from (m): 
to 

Liner:
Type: 
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 29.9 to 31.1 Size: 0.01
from (m): to Size:

Open Hole:
from (m): 
to 

Pump: Sub
Model: Mc Dougall
Intensity (m):

Testing:
Rate (lpm): 18.2 Time (minute): 570.0
Level End (m): Drawdown (m):
Rec'd intake (m): 28.4 Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Database: Project: 1.000H
AEP Data: Yes Well Field Verified: No

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No

print on 2/20/98
**SE 06-054-27 W4M**

**Well Number:** 02932

**Well Owner:** Osborne Bros.

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 742

**Licence No.:**

**Date Started:**

**Date Completed:** 14 Aug 73

<table>
<thead>
<tr>
<th>General</th>
<th>Depth</th>
<th>Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td><strong>BGL</strong></td>
<td><strong>AMSL</strong></td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Completed Depth 36.6</td>
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<td></td>
</tr>
<tr>
<td>NPWL (m): 21.3</td>
<td></td>
<td></td>
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<tr>
<td>Abandonment:</td>
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<td></td>
</tr>
<tr>
<td>Lithologic Description</td>
<td></td>
<td></td>
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<tr>
<td>12.2 730.2 Clay Yellow</td>
<td></td>
<td></td>
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<tr>
<td>21.3 721.1 Clay Blue</td>
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<tr>
<td>35.0 707.3 Sand &amp; Coal</td>
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<td></td>
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<tr>
<td>36.6 705.8 Shale &amp; Sandstone</td>
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<table>
<thead>
<tr>
<th>Casing</th>
<th>Type: Galvanized Steel</th>
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<tbody>
<tr>
<td>Depth (m): <strong>31.4</strong></td>
<td>Bottom (m): <strong>31.4</strong></td>
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<td>OD (mm): <strong>115.8</strong></td>
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<tr>
<td>Seal Type:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
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</tbody>
</table>

| Liner | Type: | |
|-------|-------| |
| OD (mm): | Thickness (mm): | |
| Top (m): to | Bottom (m): | |

<table>
<thead>
<tr>
<th>Screen</th>
<th>Material: St</th>
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<tr>
<td>OD (mm):</td>
<td>Bottom (m):</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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| Open Hole | |
|-----------| |
| from (m): to | |

<table>
<thead>
<tr>
<th>Pump: Sub</th>
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</thead>
<tbody>
<tr>
<td>Model: Mcdougall</td>
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</table>

| Testing | |
|---------| |
| Rate (lpm): **45.6** | Time (minute): **420.0** |
| Level End (m): **30.5** | Drawdown (m): **9.1** |
| Rec'd intake (m): **27.1** | Rec'd Rate (lpm): |

| Laboratory | |
|------------| |
| pH (pH unit) | COD |
| Cond. (µS/cm) | SAR |
| TDS | TKN |
| Sodium | Nitrate |
| Potassium | Nitrite |
| Calcium | TN |
| Magnesium | TC |
| Carbonate | DIC |
| Bicarbonate | Arsenic |
| Aluminium | Barium |
| Sulphate | Beryllium |
| Chloride | Cadmium |
| Fluoride | Chromium |
| Iron | Cobalt |
| TOC | Copper |
| Silicona | Lead |
| Electrical Log: | Electric Log: |
| Transmissivity: | m³/day |
| Gamma Log: | Gamma Log: |
| Storativity: | | |
| Aquifer Test: | Aquifer Test: |
| Project: | Project: |
| AEP Data: Yes | Well Field Verified: No |
| Database: 1.000H | | |

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**SE 06-054-27 W4M**

**Well Number:** 02933

**Well Owner:** Osborne Bros.

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 742

**AEP:** 260995

**Licence No.:**

**Date Started:**

**Date Completed:** 12 Aug 73

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<td>6.1</td>
<td>736.3</td>
<td>Clay Yellow</td>
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<tr>
<td>22.9</td>
<td>719.5</td>
<td>Clay &amp; Sand</td>
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<td>27.4</td>
<td>715.0</td>
<td>Clay &amp; Rocks Blue</td>
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<td>36.9</td>
<td>705.5</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>41.2</td>
<td>701.2</td>
<td>Shale Green</td>
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**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Galvanized Steel
- **Depth (m):** 29.9
- **Bottom (m):** 29.9
- **OD (mm):** 115.8
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):**
- **to:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**

**Screen:**

- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 29.9
- **to:** 31.1
- **Size:** 0.01
- **from (m):**
- **to:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:** Sub

- **Model:** Mc Dougall
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 570.0
- **Level End (m):** 23.8
- **Drawdown (m):** 8.5
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>SAR</th>
<th>Nickel</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>TDS</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
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<td>Strontium</td>
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<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
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<td>Hydroxide</td>
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<td>Cadmium</td>
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<td>Fluoride</td>
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<td>Iron</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
# Water Well Drilling Report

## General Information
- **Well Number:** 02934
- **Well Owner:** Paul, R.
- **Drilling Contractor:** Caribou Drilling Ltd.
- **Elevation (AMSL) (m):** 742
- **AEP:** 260978
- **Licence No.:** Easting: 68,462.56
- **Date Started:** Northing: 5,940,690.00
- **Date Completed:** 12 Aug 70

## Drilling Details
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 12.2 m
- **NPWL (m):** 6.7
- **Verified NPWL:**
- **Abandonment:**

## Lithologic Description
- **Type:** Cribbing
- **Depth (m):** 12.2
- **Bottom (m):** 12.2
- **OD (mm):** 508.0
- **Thickness (mm):**
- **Seal Type:**
- **Casing:**
- **Type:**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **Screen:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Open Hole:**
- **Pump:**
- **Model:**
- **Intake (m):**

## Laboratory Analysis
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Sodium:**
- **Nitrate:**
- **Manganese:**
- **Lead:**
- **Phosphate:**
- **Cadmium:**
- **Vanadium:**
- **Zinc:**
- **Beryllium:**
- **Phosphate:**
- **Cobalt:**
- **Copper:**
- **Seal Type:**
- **Casing:**
- **Type:**
- **Bottom (m):**
- **Thickness (mm):**
- **OD (mm):**
- **Seal Type:**
- **Casing:**
- **Type:**
- **Bottom (m):**
- **Thickness (mm):**
- **OD (mm):**
- **Screen:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Open Hole:**
- **Pump:**
- **Model:**
- **Intake (m):**

## Additional Information
- **Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Database: 1.000H**

**AEP Data:** Yes

**Well Field Verified:** No

---

**Printed on:** 2/20/98
## General
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Completed Depth
- **67.1 (m)**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

### Electric Log
- **Transmissivity:** m³/day

### Gamma Log
- **Storativity:**

### Aquifer Test
- **Project:** Database: **1.000H**

### Remarks
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL (m):** 10.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 34.4 to 34.4
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Puddled Clay
- **from (m):** to 21.3

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **Thickness (mm):**
- **from (m):** to 36.6
- **Size:** 0.01
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 180.0
- **Level End (m):** 34.1
- **Drawdown (m):** 23.5
- **Rec'd intake (m):** 32.0
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbohydrate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Beryllium:**
- **Iron:**
- **Barium:**
- **Magnesium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):** 61.0
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

## Laboratory:
- **pH (pH unit):** 8.60
- **Cond. (µS/cm):** 9580
- **TDS:** 583.0
- **Sodium:** 224.94
- **Potassium:** 1.17
- **Calcium:** 9.02
- **Magnesium:** 0.97
- **Carbonate:** 8.10
- **Bicarbonate:** 430.73
- **Aluminum:** 1.06
- **Barium:** 0.19
- **Fluoride:** 0.06
- **Iron:** 0.06
- **TOC:** 8.20
- **Silica:** 8.20

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **TOC:** Copper
- **Total Alkalinity:** 431.0
- **Nitrate:** Total Hardness: 26.00
- **Chloride:** Cadmium: Ion Balance: 0.99
- **Fluoride:** Chromium: Amm. Nitrogen
- **Iron:** Cobalt: Total Phosphate
- **TOC:** Copper: Total Alkalinity: 431.0
- **Silica:** Lead: Nitrate & Nitrite: N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Well Details:
- **Completed Depth:** 83.5 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **23 Sep 82**

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</tr>
<tr>
<td>Silica</td>
<td>20.00</td>
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</table>

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
## SE 06-054-27 W4M

**Well Owner:** Tremblay, Allan  
**Drilling Contractor:** Unknown Driller

### General:
- **Type of Work:** Chemistry  
- **Well Use:** Domestic  
- **Completed Depth:** 73.5 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituent</th>
<th>Value</th>
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<tbody>
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<td>Cond. (µS/cm)</td>
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<tr>
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<td>Sulphate</td>
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<td>DIC</td>
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<tr>
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<td>24.98</td>
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<tr>
<td>Cadmium</td>
<td>1.94</td>
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<tr>
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<tr>
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<td>599.73</td>
</tr>
<tr>
<td>Total Alkalinity</td>
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<tr>
<td>Calcium</td>
<td>8.00</td>
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<tr>
<td>Magnesium</td>
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<tr>
<td>Zinc</td>
<td>8.00</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
  - Well Field Verified: No

---

*printed on 2/20/98*
# SE 06-054-27 W4M

**Well Owner:** Williamson, Jordan  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd  

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<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>742</th>
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<tr>
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<td>Northing:</td>
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<tr>
<td>Date Completed:</td>
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</table>

## General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 80.8 (m)  
- **NPWL (m):** 13.7  
- **Verified NPWL (m):**  
- **Abandonment:**  

## Castings:
- **Type:** Steel  
- **Depth (m):** 37.8  
- **Bottom (m):** 37.8  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 37.8  

## Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Bottom (m):** 80.8  
- **Perforated How:** Torch  
- **from (m):** to 37.8  
- **Size:**  
- **from (m):** to 57.0  
- **Size:**  
- **from (m):** to 80.8  
- **Size:**  
- **from (m):** to  

## Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

## Open Hole:
- **from (m):** to  

## Pump:
- **Model:** Sub  
- **Intake (m):** 76.2  

## Testing:
- **Rate (lpm):** 4.6  
- **Time (minute):** 660.0  
- **Level End (m):** 76.2  
- **Drawdown (m):** 62.5  
- **Rec'd intakes (m):** 75.6  
- **Rec'd Rate (lpm):** 4.6  

## Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **Mercury:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphorus:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

| Chemical Constituents are in mg/l (ppm). Except as noted. |

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27  

---

**printed on 2/20/98**
**SE 06-054-27 W4M**

**Well Owner:** Yakimchuk, Elmer  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 763  
**AEP:** 264178  
**Licence No.:**  
**Date Started:**  
**Date Completed:**  
**Easting:** 68,048.84  
**Northing:** 5,941,008.00

### General:
- **Type of Work:** Chemistry  
- **Well Use:** Domestic  
- **Completed Depth (m):** 30.5  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:** from (m): to  

### Screen:
- **Material:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:** from (m): to  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Intake (m):  
- **Rate (lpm):** Intake (m):  
- **Testing:**
  - **Time (minute):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **05 Nov 75**
  - **pH (pH unit):** 7.40  
  - **COD:** Mercury  
  - **Cond. (µS/cm):** 875.0  
  - **SAR:** Nickel  
  - **TDS:** 446.0  
  - **TKN:** Selenium  
  - **Sodium:** 69.92  
  - **Nitrate:** Strontium  
  - **Potassium:** 12.51  
  - **Nitrite:** Molybdenum  
  - **Calcium:** 71.94  
  - **TN:** Vanadium  
  - **Magnesium:** 13.01  
  - **TC:** Zinc  
  - **Carbonate:** DIC  
  - **Arsenic:** Hydroxide  
  - **Bicarbonate:** 311.15  
  - **Total Hardness:** 233.00  
  - **Aluminium:** Manganese  
  - **Barium:** Phosphate  
  - **Sulphate:** 96.06  
  - **Beryllium:** Phosphate  
  - **Chloride:** 29.07  
  - **Cadmium:** 1.01  
  - **Fluoride:** 0.84  
  - **Chromium:** Amm. Nitrogen  
  - **Iron:** 0.60  
  - **Cobalt:** Total Phosphate  
  - **TOC:** Copper  
  - **Total Alkalinity:** 255.0  
  - **Silica:** Lead  
  - **Nitrate&Nitrite:** N  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **TOC:** Total Hardness
- **Rec'd Rate:** m³/day
- **Aquifer Test:**
- **Database:** 1.000H
- **AEP Data:** Yes  
- **Field Verified:** No

### Remarks:
**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
Well Number: 02942

Well Owner: Ackman, Robert
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 766
Licence No.: AEP: 261120
Date Started: 17 May 83
Date Completed: 

Well Number: SW 06-054-27 W4M

Well Use: Domestic

Completed Depth: 91.4 (m)
NPWL (m): (No Lithologic Information Available)
Verified NPWL (m):
Abandonment:

Casing:
Type: (No Lithologic Information Available)
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory: 17 May 83

pH (pH unit): 7.90
Cond. (µS/cm): 798.0
TDS: 480.0
Sodium: 198.03
Potassium: 0.78
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: 496.62
Aluminium: Barium
Sulphate: 34.10
Chloride: Cadmium
Fluoride: 0.29
Iron: 0.16
TOC: Copper
Silica: 18.30

COD
Mercury
SAR
Nickel
TKN
Selenium
Nitrate
Strontium
Nitrite
Molybdenum
TN
Vanadium
TC
Zinc
DIC
Hydroxide
Bicarbonate
Arsenic
Total Hardness
Manganese
Phosphate
Cadmum
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Lead
Nitrates

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
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<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>Type of Work: New Well</td>
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<td>(m)</td>
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<tr>
<td>Drilling Method: Unknown</td>
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<td>Well Use: Unknown</td>
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<td>Completed Depth 70.1</td>
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<td>Abandonment:</td>
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<td>Casing: Type: Steel</td>
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<tr>
<td>Depth (m): 32.0</td>
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<td>Bottom (m): 32.0</td>
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<td>Liner: Type:</td>
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<tr>
<td>from (m): to</td>
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<td>Size:</td>
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<td></td>
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<tr>
<td>from (m): to</td>
<td></td>
<td></td>
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<tr>
<td>Size:</td>
<td></td>
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</tr>
<tr>
<td></td>
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</table>

**Laboratory:**

- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Total Hardness
- Total Phosphorus
- Total Alkalinity
- Nitrate
- Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number: 02944**

**Well Owner:** Bremec, K.  
**Drilling Contractor:** Unknown Driller

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<th>General</th>
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<th>Elevation</th>
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<td>Type of Work: Chemistry</td>
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<td>(m)</td>
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<tr>
<td>Drilling Method: Drilled</td>
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<td>Well Use: Domestic</td>
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<tr>
<td>NPWL (m): 24.1</td>
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<tr>
<td>Abandonment:</td>
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<td></td>
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**Casing:**
- Type: Unknown  
- Depth (m): 45.7  
- Bottom (m): 45.7  
- OD (mm): 127.0  
- Thickness (mm):  
- Seal Type: from (m): to  
- to  

**Liner:**
- OD (mm): 101.6  
- Thickness (mm):  
- Top (m):  
- Bottom (m): 80.5  
- Perforated How: from (m): to  
- to  
- to  

**Screen:**
- Material:  
- OD (mm): from (m): to  
- to  
- from (m): to  

**Open Hole:**
- from (m): to  

**Pump:**
- Model:  
- Intake (m):  

**Testing:**
- Rate (lpm):  
- Time (minute):  
- Level End (m): Drawdown (m):  
- Rec’d intake (m): Rec’d Rate (lpm):  

**Laboratory:**
- 03 May 76  
- pH (pH unit): 8.10  
- COD: Mercury  
- Cond. (µS/cm): 750.0  
- SAR: Nickel  
- TDS: 544.0  
- KTN: Selenium  
- Sodium: 166.98  
- Nitrate: Strontium  
- Potassium: 1.96  
- Nitrite: Molybdenum  
- Calcium: 50.10  
- TN: Vanadium  
- Magnesium: 5.96  
- TC: Zinc  
- Carbonate: DIC  
- Hydroxide:  
- Bicarbonate: Arsenic  
- Total Hardness: 151.00  
- Aluminium: Barium  
- Manganese:  
- Sulphate: 84.05  
- Beryllium: Phosphate  
- Chloride: Cadmium  
- Ion Balance: 1.08  
- Fluoride: 0.14  
- Chromium: Amm. Nitrogen  
- Iron: 0.30  
- Cobalt: Total Phosphate  
- TOC: Copper  
- Total Alkalinity: 392.0  
- Silica: Lead  
- Nitrate&Nitrite N:  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Unknown**
- Completed Depth: 64.0 (m)
  - NPWL (m): 18.3
- Abandonment: **Unknown**

**Casing:**
- Type: **Steel**
  - Depth (m): 36.9
  - Bottom (m): 36.9
- OD (mm): 139.7
- Thickness (mm):
  - Seal Type: **Unknown**
  - from (m): to

**Liner:**
- Type: **Steel**
  - OD (mm): 114.3
  - Thickness (mm):
  - Top (m): Bottom (m): 64.0
  - Perforated How: **Unknown**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: **Steel**
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): 61.6
  - Time (minute): 420.0
  - Level End (m):
  - Rec'd intake (m):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrate Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 56.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m):
  - OD (mm):
- **Seal Type:**
  - from (m):
  - to

### Liner:
- **Type:**
  - OD (mm):
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m):
  - to
  - Size:
- **Size:**
- **Size:**
- **Size:**

### Screen:
- **Material:**
  - OD (mm):
- **from (m):**
- **to:**
  - Size:
- **Size:**
- **Size:**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
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<td>TDS</td>
<td>TKN</td>
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<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

### Electric Log: No  Transmissivity: m³/day
### Gamma Log: No  Storativity:
### Aquifer Test: No  Project: Database: 1.000H
### AEP Data: Yes  Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 02946**

- **Elevation (AMSL) (m):** 766
- **AEP:** 261128
- **Licence No.:**
- **Date Started:**
- **Easting:** 67,606.87
- **Northing:** 5,940,644.50
- **Date Completed:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:
- **Well Owner:** Drake, Charles J.
- **Drilling Contractor:** Unknown Driller
- **Well Use:** Domestic
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Completed Depth:** 61.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m): 
  - **OD (mm):** Thickness (mm): 
  - **Seal Type:** from (m): to 

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm): 
  - **Top (m):** Bottom (m): 
  - **Perforated How:** from (m): to Size: 
  - **from (m): to Size:** 
  - **from (m): to Size:**

### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:  
  - **from (m): to Size:**

### Open Hole:
- **from (m): to**

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute): 
- **Level End (m):** Drawdown (m): 
- **Rec'd intake (m): Rec'd Rate (lpm):**

### Laboratory:

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<th>Parameter</th>
<th>Value</th>
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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H

### Water Well Positioned by PFRA in 10TM NAD 27
**SW 06-054-27 W4M**

**Well Owner:** Fair, Norman

**Drilling Contractor:** Mccinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 766

**AEP:** 261114

**Date Started:** 30 Jul 79

**Date Completed:** 31 Jul 79

**Licence No.:** Easting: 67,606.87

**Northing:** 5,940,644.50

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### Lithologic Description

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**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 02949

**Well Owner:** Frey, Dan

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 766

**AEP:** 271532

**Licence No.:** Easting: 67,606.87

**Date Started:** 18 Sep 75

**Date Completed:** 22 Sep 75

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Casing:

- **Type:** Galvanized Steel
  - **Depth (m):** 59.4
  - **Bottom (m):** 59.4
  - **OD (mm):** 114.3
  - **Thicknes (mm):** 0.1
- **Seal Type:** Driven & Formation P
  - **from (m):** to 59.4

### Liner:

- **Type:**
  - **OD (mm):** 88.9
  - **Thicknes (mm):**
    - **Top (m):**
    - **Bottom (m):** 82.6
- **Perforated How:** Torch
  - **from (m):** to 82.6
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:

- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
  - **Intake (m):**

### Testing:

- **Rate (lpm):** 6.8
  - **Time (minute):** 420.0
- **Level End (m):** 54.9
  - **Drawdown (m):** 24.4
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
  - **Database:** 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Database:**

- **Project:**
  - **Database:** 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 02950**

**Well Owner:** Hein, Reinhold  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 766  
**AEP:** 264213

**Date Started:** 25 Jul 75  
**Date Completed:** 28 Jul 75

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**Laboratory:** 28 Oct 75

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<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 02950**

**Well Owner:** Hein, Reinhold  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 766  
**AEP:** 264213

**Date Started:** 25 Jul 75  
**Date Completed:** 28 Jul 75

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<thead>
<tr>
<th>Depth (BGL)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
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**Laboratory:** 28 Oct 75

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<td>Nitrate &amp; Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02951

SW 06-054-27 W4M

Well Owner: Huizinga, Melle
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 766
Licence No.: Easting: 67,606.87
Date Started: 10 Apr 78
Northing: 5,940,644.50
Date Completed: 11 Apr 78

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 83.5 (m)
- NPWL (m): 22.9
- Veriﬁed NPWL (m):
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 41.2
- Bottom (m): 41.2
- OD (mm): 141.2
- Thickness (mm):
- Seal Type: Driven & Formation P
- from (m): to 41.2

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm):
- Top (m): Bottom (m): 82.6
- Perforated How: Torch
- from (m): 41.2 to 82.6
- Size:
- from (m): 41.2 to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):
- Testing:
- Rate (lpm): 16.0
- Time (minute): 420.0
- Level End (m): 45.7
- Drawdown (m): 22.9
- Rec’d Rate (lpm):
- Rec’d intake (m):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- Laboratory:
- COD:
- Nickel:
- TKN:
- Nitrate:
- Nitrite:
- Molybdenum:
- TN:
- Vanadium:
- Zinc:
- DIC:
- Hydroxide:
- Arsenic:
- Total Hardness:
- Barium:
- Beryllium:
- Cadmium:
- Chromium:
- Cobalt:
- Copper:
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- Nickel:
- Selenium:
- Strontium:
- Sodium:
- Nitrate:
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- Nitrite:
- Molybdenum:
- Potassium:
- TC:
- Zinc:
- DIC:
- Hydroxide:
- Arsenic:
- Total Hardness:
- Barium:
- Beryllium:
- Cadmium:
- Chromium:
- Cobalt:
- Copper:
- Lead:
- Mercury:
- Nickel:
- Selenium:
- Strontium:
- Sodium:
- Nitrate:
- Strontium:
- Sodium:
- Nitrite:
- Molybdenum:
- Potassium:
- TC:
- Zinc:
- DIC:
- Arsenic:
- Chromium:
- Cobalt:
- Copper:
- Lead:
- Nickel:
- Selenium:
- Strontium:
- Sodium:
- Nitrate:
- Strontium:
- Sodium:
- Nitrite:
- Molybdenum:
- Potassium:
- TC:
- Zinc:
- DIC:
- Arsenic:
- Chromium:
- Cobalt:
- Copper:
- Lead:
- Nickel:
- Selenium:
- Strontium:
- Sodium:
- Nitrate:
- Strontium:
- Sodium:
- Nitrite:
- Molybdenum:
- Potassium:
- TC:
- Zinc:
- DIC:
- Arsenic:
- Chromium:
- Cobalt:
- Copper:
- Lead:
- Nickel:
- Selenium:
- Strontium:
- Sodium:
- Nitrate:
- Strontium:
- Sodium:
- Nitrite:
- Molybdenum:
- Potassium:
- TC:
- Zinc:
- DIC:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General Information

- **Well Owner:** Johansson, Tony & Janet
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 766
- **AEP:** 261125
- **Licence No.:** Easting: 67,606.87
- **Date Started:** Northing: 5,240,644.50
- **Date Completed:**

### Well Details

- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**

### Liner

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

### Perforated How:

- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen

- **Material:**
- **OD (mm):** from (m): to **Size:**

### Open Hole:

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):**

### Laboratory

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<td>TDS  (mg/L)</td>
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<td>Mercury (µg/L)</td>
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<td>Hydroxide (mg/L)</td>
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<td>Total Hardness (mg/L)</td>
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<td>Molybdenum (mg/L)</td>
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<td>Phosphate (mg/L)</td>
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<td>Ion Balance (mg/L)</td>
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<td>Amm. Nitrogen (mg/L)</td>
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<td>Total Alkalinity (mg/L)</td>
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<tr>
<td>Nitrate &amp; Nitrite N (mg/L)</td>
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</table>

### Remarks

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 78.9 (m)
- **NPWL (m):** 27.4
- **Elevation (AMSL) (m):** 766
- **Licence No.:** Easting:
- **Date Started:** 28 Sep 81
- **Drilling Contractor:** Northing:
- **Date Completed:** 29 Sep 81

**Casing:**
- **Type:** Steel
- **Depth (m):** 47.2
- **Bottom (m):** 47.2
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven & Formation P

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 78.0
- **Perforated How:** Torch
- **from (m):** 47.2
- **to:** 78.0

**Screen:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 30.5
- **Drawdown (m):** 3.1
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Zinc:**
- **Vanadium:**
- **Total Hardness:**
- **Barium:**
- **Beryllium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>7.6</td>
<td>757.9</td>
<td>Clay &amp; Rocks Yellow</td>
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<td>14.6</td>
<td>750.9</td>
<td>Clay Blue</td>
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<tr>
<td>33.5</td>
<td>732.0</td>
<td>Clay Yellow</td>
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<td>34.4</td>
<td>731.1</td>
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<tr>
<td>35.0</td>
<td>730.5</td>
<td>Shale Sandy Gray</td>
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<td>36.3</td>
<td>729.3</td>
<td>Shale Brittle Gray</td>
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<td>46.3</td>
<td>719.2</td>
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<td>46.9</td>
<td>718.6</td>
<td>Shale Brown</td>
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<tr>
<td>49.1</td>
<td>716.5</td>
<td>Shale Green</td>
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<td>50.9</td>
<td>714.6</td>
<td>Shale Sandy Gray</td>
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<td>51.5</td>
<td>714.0</td>
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<tr>
<td>54.0</td>
<td>711.6</td>
<td>Sandstone</td>
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<tr>
<td>56.1</td>
<td>709.5</td>
<td>Shale &amp; Coal Brown</td>
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<tr>
<td>57.9</td>
<td>707.6</td>
<td>Shale Sandy Gray</td>
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<td>59.4</td>
<td>706.1</td>
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<tr>
<td>60.7</td>
<td>704.9</td>
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<td>63.7</td>
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<td>68.6</td>
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<td>72.2</td>
<td>693.3</td>
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<tr>
<td>77.1</td>
<td>688.4</td>
<td>Sandstone</td>
</tr>
<tr>
<td>78.9</td>
<td>686.6</td>
<td>Shale Greenish Gray</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

Chemical Constituents are in mg/l (ppm). Except as noted.
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 02955

**Well Owner:** Kinnear, Mr. A.J.

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 83.5 (m)
- **NPWL (m):** 20.7
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 53.6
- **Bottom (m):** 53.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Formation P
- **from (m):** to 53.6

#### Liner:
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** Torch
- **from (m):** to 53.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 9.1
- **Time (minute):** 420.0
- **Level End (m):** 45.7
- **Drawdown (m):** 25.0
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **Sodium:**
- **Nitrates:**
- **Potassium:**
- **Nitrites:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **Carbonate:**
- **Zinc:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Molybdenum:**
- **Chloride:**
- **Total Hardness:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
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<thead>
<tr>
<th><strong>General:</strong></th>
<th><strong>Depth Elevation</strong></th>
</tr>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td><strong>(m)</strong></td>
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<td>Drilling Method: Rotary</td>
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<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth: 64.9</td>
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<td>NPWL (m):</td>
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<td>Verified NPWL (m):</td>
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<table>
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<th><strong>Casing:</strong></th>
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<th><strong>(m)</strong></th>
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<tbody>
<tr>
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<tr>
<td>Depth (m):</td>
<td>Bottom (m):</td>
<td>25.9 753.1 Sand &amp; Gravel</td>
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<tr>
<td>42.7</td>
<td>42.7</td>
<td>33.2 745.8 Clay</td>
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<td>Thickness (mm):</td>
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<td>141.2</td>
<td>774.5</td>
<td>64.9 714.1 Shale Green</td>
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<td>Seal Type: Driven</td>
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<td>Bottom (m):</td>
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<td>Rate (lpm):</td>
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<td>Level End (m):</td>
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<td>Rec’d intake (m):</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:
  - **Open Hole:**
    - from (m): to
- **Pump:**
  - **Model:** Intake (m):
  - **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **03 Nov 81**
- **pH (pH unit):** 8.80
- **Cond. (μS/cm):** 977.0
- **TDS:** 570.0
- **Sodium:** 233.91
- **Potassium:** 0.78
- **Magnesium:** 2.00
- **Calcium:** 1.95
- **Bicarbonate:** 18.00
- **Barium:** 491.74
- **Aluminum:** 0.78
- **Sulphate:** 64.84
- **Chloride:** 2.13
- **Fluoride:** 2.07
- **Iron:** 0.12
- **TOC:** 1.50
- **Silica:** 8.00
- **Phosphate:**
  - **Beryllium:**
  - **Nitrates:**
  - **Perforated How:**
    - **Bottom (m):**
    - **Top (m):**
    - **Screen:**
      - **Material:**
        - **OD (mm):**
          - **from (m):** to Size:
          - **from (m):** to Size:
          - **Open Hole:**
            - from (m): to

### Depth Elevation
- **(BGL) (AMSL):** Lithologic Description
  - **(m) (m):**
  - **(No Lithologic Information Available)**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 02958

**Well Owner:** McConnell, J.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 766

**AEP:** 261118

**Date Started:**

**Eastings:** 67,606.87

**Nortings:** 5,940,644.50

**Well Use:** Domestic

**Licence No.:**

**Date Completed:**

---

**General:**

**Type of Work:** Chemistry

**Drilling Method:** Unknown

**Well Use:** Domestic

**Completed Depth (m):** 54.9

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:**

**from (m):**

**to:**

**Liner:**

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

**from (m):**

**to:**

**Size:**

**from (m):**

**to:**

**Size:**

**Screen:**

**Material:**

**OD (mm):**

**from (m):**

**to:**

**Size:**

**from (m):**

**to:**

**Size:**

**Open Hole:**

**from (m):**

**to:**

**Pump:**

**Model:**

**Intake (m):**

**Testing:**

**Rate (lpm):**

**Time (minute):**

**Level End (m):**

**Drawdown (m):**

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

---

**Laboratory:**

**29 Mar 83**

**pH (pH unit):** 8.40

**COD:**

**Condition (µS/cm):** 885.0

**SAR:**

**TDS:** 514.0

**TKN:**

**Sodium:** 212.06

**Nitrate:**

**Potassium:** 0.78

**Nitrite:**

**Calcium:**

**Magnesium:**

**Carbonate:**

**Bicarbonate:** 586.92

**Barium:**

**Sulphate:**

**Aluminium:**

**Chloride:** 2.13

**Fluoride:** 2.80

**Iron:** 0.05

**TOC:**

**Silica:** 7.90

**Cadmium:**

**Copper:**

**Beryllium:**

**Chromium:**

**Vanadium:**

**Arsenic:**

**Strontium:**

**Total Hardness:**

**Total Phosphate:**

**Total Alkalinity:** 488.0

**Exchangeable Calcium:**

**Exchangeable Magnesium:**

**Barium:**

**Manganese:**

**Lead:**

**Nitrate:**

**Nitrite:**

**TDS:**

**HCO3:**

**DIC:**

**Carbonate:**

**Total Hardness:**

**Bicarbonate:**

**Iron:**

**Nitrate:**

**Nitrite:**

**Electric Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 02959**

**Well Owner:** Mcneill, William  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 65.2 m
- **NPWL (m):** 16.1
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 42.7  
- **Bottom (m):** 42.7
- **OD (mm):** 114.1  
- **Thickness (mm):**
- **Seal Type:** Formation Packer
- **from (m):** to 42.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):**
- **Bottom (m):** 64.3

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0
- **Level End (m):** 27.4  
- **Drawdown (m):** 11.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
- **(BGL) (AMSL):**
- **Type of Work:**
- **Lithologic Description:**
- **10.7:** Clay Yellow
- **24.4:** Clay Blue
- **37.2:** Clay Yellow
- **39.6:** Shale Green
- **42.4:** Shale Sandy Gray
- **44.2:** Shale Greenish Gray
- **45.4:** Shale Dark Gray
- **50.9:** Shale Sandy Gray
- **54.9:** Shale & Coal Brown
- **61.0:** Shale Dark Gray
- **63.1:** Shale & Coal Brown
- **65.2:** Shale Greenish Gray

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL** (m): 16.5
- **Verfied NPWL** (m): 
- **Abandonment:**
  - Type: Steel
  - Depth (m): 50.3
  - Bottom (m): 50.3
  - OD (mm): 114.3
  - Thickness (mm): 0.0
- **Seal Type:** Driven
- **from (m):** to 50.3

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 32.3
- **Rec'd Rate (lpm):** 49.4
- **Rec'd intake (m):**

**Laboratory:**
- **16 Mar 77**

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<th>Unit</th>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>Nitrate</td>
<td>Strontium</td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>0.78</td>
<td></td>
</tr>
<tr>
<td>Nitrile</td>
<td>Molybdenum</td>
<td></td>
</tr>
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<tr>
<td>Barium</td>
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<td>Aluminium</td>
<td>Mnegaese</td>
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<td>Sulphate</td>
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<td>Beryllium</td>
<td>Phosphor</td>
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<td>Chloride</td>
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<td>Cadmium</td>
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<tr>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Owner: **Press, Mike**
Drilling Contractor: **Grove Drilling Ltd**

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

- **Completed Depth:** 94.5 m
- **NPWL (m):** 18.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 56.4
- **Bottom (m):** 56.4
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Drive Shoe
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to **Size:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 6.8
- **Time (minute):** 540.0
- **Level End (m):** 56.4
- **Depth (m):** 38.4
- **Rec'd Rate (lpm):** 56.1
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** 8.80
- **Cond. (µS/cm):** 950.0
- **TDS:** 567.0
- **Sodium:** 230.00
- **Potassium:** 0.78
- **Calcium:** 3.01
- **Magnesium:**
- **Carbonate:** 27.90
- **Bicarbonate:** 461.85
- **Aluminum:**
- **Barium:**
- **Sulphate:** 73.01
- **Chloride:** 3.90
- **Fluoride:** 1.79
- **Iron:** 0.63
- **TOC:**
- **Silica:** 8.40

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<thead>
<tr>
<th>Element</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH</td>
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<tr>
<td>Cond.</td>
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<tr>
<td>TDS</td>
<td>567.0</td>
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<tr>
<td>Sodium</td>
<td>230.00</td>
</tr>
<tr>
<td>Potassium</td>
<td>0.78</td>
</tr>
<tr>
<td>Calcium</td>
<td>3.01</td>
</tr>
</tbody>
</table>
| Magnesium| 73.01
| Carbonate| 461.85|
| Bicarbonate| 27.90|
| Alumimium| 3.90 |
| Barium  | 8.40  |
| Sulphate| 1.79  |
| Chloride| 0.63  |
| Fluoride| 0.03  |
| Iron    | 0.63  |
| TOC     | 0.03  |
| Silica  | 0.03  |

### Lithologic Description:
- **Depth (m):**
- **Elevation (m):**
- **Lithologic Description:**
  - 12.2 753.4 Clay
  - 13.1 752.4 Gravel
  - 31.7 733.8 Clay
  - 32.3 733.2 Coal
  - 43.6 722.0 Shale
  - 45.4 720.1 Sandstone
  - 60.0 705.5 Shale
  - 64.6 700.9 Sandstone
  - 75.6 690.0 Shale
  - 78.0 687.5 Sandstone
  - 86.9 678.7 Shale
  - 94.5 671.1 Shale & Sandstone Thin

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 02962**

**Well Owner:** Redel, Bob  
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th>General</th>
</tr>
</thead>
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| **Type of Work:** Chemistry  
**Drilling Method:** Drilled  
**Well Use:** Domestic  
**Completed Depth:** 86.9 m  
**NPWL (m):**  
**Verified NPWL (m):**  
**Abandonment:**  
**Casing:**  
**Type:** Unknown  
**Depth (m):** Bottom (m):  
**OD (mm):** Thickness (mm):  
**Seal Type:** Clay Cap  
**from (m):** to  
**Liner:**  
**Type:**  
**OD (mm):** Thickness (mm):  
**Top (m):** Bottom (m):  
**Perforated How:**  
**from (m):** to Size:  
**Screen:**  
**Material:** Un  
**OD (mm):** from (m): to Size:  
**from (m):** to Size:  
**Open Hole:**  
**from (m):** to  
**Pump:**  
**Model:** Intake (m):  
**Testing:**  
**Rate (lpm):** Time (minute):  
**Level End (m):** Drawdown (m):  
**Rec’d intake (m):** Rec’d Rate (lpm):  

<table>
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<th>Laboratory</th>
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</table>
| **pH (pH unit):** 8.20  
**Cond. (µS/cm):** 920.0  
**TDS:** 622.0  
**Sodium:** 218.04  
**Potassium:** 1.96  
**Calcium:** 5.01  
**Magnesium:** 4.01  
**Carbonate:** 577.15  
**Bicarbonate:**  
**Aluminium:**  
**Sulphate:** 108.07  
**Chloride:**  
**Fluoride:** 0.62  
**Iron:** 1.33  
**TOC:**  
**Silica:** Lead  
**Diagnosis:**  
**Chemical Constituents are in mg/l (ppm). Except as noted.**  

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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
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(No Lithologic Information Available)

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
Well Number: 02963

<table>
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<th>Well Owner: Ripley, Cliff</th>
<th>Elevation (AMSL) (m): 766</th>
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<tr>
<td>Drilling Contractor: Unknown Driller</td>
<td>AEP: 261124</td>
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<tr>
<td></td>
<td>Licence No.:</td>
</tr>
<tr>
<td></td>
<td>Date Started:</td>
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<tr>
<td></td>
<td>Northing: 5,940,644.50</td>
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**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 99.1 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- from (m):

**Liner:**
- Type:
- OD (mm):
- Top (m):
- Perforated How:
- from (m):
- to
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m):
- to
- Size:

**Open Hole:**
- from (m):
- to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**

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<td>Iron</td>
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<td>TOC</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
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<td>(No Lithologic Information Available)</td>
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</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**AEP Data:** Yes
**Well Field Verified:** No
**Database:** 1.000H
Well Owner: Spaans, P.

Drilling Contractor: Unknown Driller

Well Number: 02964

Elevation (AMSL) (m): 766

AEP: 261122

Licence No.: Easting: 67,600.87

Date Started: Northing: 5,946,644.50

Date Completed:

Well Use: Chemistry

Type of Work: 

Drilling Method: Unknown

Well Use: Unknown

Completed Depth: 54.9 (m)

NPWL (m): Verified NPWL (m):

Abandonment:

Casing:

Type:

Depth (m): Bottom (m):

OD (mm): Thickness (mm):

Seal Type:

from (m): to

Liner:

Type:

OD (mm): Thickness (mm):

Top (m): Bottom (m):

Perforated How:

from (m): to Size:

from (m): to Size:

from (m): to Size:

Screen:

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

from (m): to Size:

Open Hole:

from (m): to

Pump:

Model:

Intake (m):

Testing:

Rate (lpm):

Time (minute):

Level End (m):

Drawdown (m):

Rec'd intake (m):

Rec'd Rate (lpm):

Laboratory: 14 Sep 84

pH (pH unit) 7.80 COD Mercury

Cond. (µS/cm) 981.0 SAR Nickel

TDS 607.0 TKN Selenium

Sodium 243.11 Nitrate Strontium

Potassium 0.78 Nitrite Molybdenum

Calcium TN Vanadium

Magnesium TC Zinc

Carbonate DIC Hydroxide

Bicarbonate 568.61 Arsenic Total Hardness

Aluminum Barium Manganese

Sulphate 80.21 Beryllium Phosphate

Chloride Cadmium Ion Balance 0.97

Fluoride 0.09 Chromium Amm. Nitrogen

Iron Cobalt Total Phosphate

TOC Copper Total Alkalinity 467.0

Silica 18.90 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 88.1 m
- **NPWL (m):** 20.7
- **Verfied NPWL (m):** 87.2
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 53.6
- **Bottom (m):** 53.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Formation P
- **from (m):** to 53.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How:
- **from (m):** to 87.2

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to
- **to:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 420.0
- **Level End (m):**
- **Draindown (m):** 49.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **Field Date:** 26 Aug 82
- **pH (pH unit):** 8.40
- **COD:**
- **Nitrate:**
- **Sodium:** 224.02
- **Potassium:** 0.78
- **Calcium:** 4.01
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:** 607.66
- **Aluminum:**
- **Barium:**
- **Sulphate:** 14.89
- **Chloride:** 2.13
- **Fluoride:** 2.52
- **Iron:** 0.08
- **TOC:**
- **Silica:** 7.60
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **m³/Day:**
- **Transmissivity:**
- **Storage:**
- **Aquifer Test:** No

### Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 02966

Elevation (AMSL) (m): 766
AEP: 26113
Date Started: 
East: 67,606.87
Nort: 5,940,644.50
Date Completed: 

General:
Type of Work: Chemistry
Drilling Method: Drilled
Well Use: Domestic
Completed Depth: 76.2 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory: 19 Apr 79
pH (pH unit): 7.60
Cond. (µS/cm): 912.0
TDS: 568.0
Sodium: 77.05
Potassium: 2.35
Calcium: 119.04
Magnesium: 20.06
Carbonate: DIC
Bicarbonate: 552.14
Aluminum: Barium
Sulphate: 76.85
Chloride: Cadmium
Fluoride: 0.06
Iron: 8.27
TOC: 12.70
Silica: 2.35

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

(printed on 2/20/98)
**Well Number:** 02967

**Well Owner:** Thurner, Fred

**Drilling Contractor:** Ferland Enterprises

**Elevation (AMSL) (m):** 770

**AEP:** 261077

**Licence No.:**

**Date Started:** 08 Jul 76

**Date Completed:** 08 Jul 76

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.8</td>
<td>749.8</td>
</tr>
<tr>
<td>76.2</td>
<td>693.5</td>
</tr>
</tbody>
</table>

**Lithologic Description**

- Clay
- Shale

| General: |
|------------------|------------------|
| **Type of Work:** New Well |
| **Drilling Method:** Rotary |
| **Well Use:** Domestic |
| **Completed Depth:** 76.2 (m) |
| **NPWL (m):** 24.4 |
| **Verified NPWL (m):** |
| **Abandonment:** |

| Casing: |
|------------------|------------------|
| **Type:** Galvanized Steel |
| **Depth (m):** 48.8 |
| **Bottom (m):** 48.8 |
| **OD (mm):** 114.3 |
| **Thickness (mm):** 0.0 |
| **Seal Type:** Driven |
| **from (m):** |
| **to:** |

| Liner: |
|------------------|------------------|
| **Type:** |
| **OD (mm):** |
| **Thickness (mm):** |
| **Top (m):** |
| **Bottom (m):** |
| **Perforated How:** |
| **from (m):** |
| **to:** |
| **Size:** |
| **from (m):** |
| **to:** |
| **Size:** |
| **from (m):** |
| **to:** |

| Screen: |
|------------------|------------------|
| **Material:** |
| **OD (mm):** |
| **from (m):** |
| **to:** |
| **Size:** |
| **from (m):** |
| **to:** |

| Open Hole: |
|------------------|------------------|
| **from (m):** |
| **to:** |

| Pump: |
|------------------|------------------|
| **Model:** |
| **Intake (m):** |

| Testing: |
|------------------|------------------|
| **Rate (lpm):** 45.6 |
| **Time (minute):** 120.0 |
| **Level End (m):** 45.7 |
| **Drawdown (m):** 21.3 |
| **Rec'd intake (m):** 47.2 |
| **Rec'd Rate (lpm):** |

| Laboratory: |
|------------------|------------------|
| **pH (pH unit):** |
| **Cond. (µS/cm):** |
| **TDS:** |
| **Sodium:** |
| **Potassium:** |
| **Calcium:** |
| **Magnesium:** |
| **Carbonate:** |
| **Bicarbonate:** |
| **Aluminum:** |
| **Barium:** |
| **Sulphate:** |
| **Chloride:** |
| **Fluoride:** |
| **Iron:** |
| **TOC:** |
| **Sierra:** |
| **Lead:** |

- **COD** | Mercury
- **SAR** | Nickel
- **TKN** | Selenium
- **Nitrate** | Strontium
- **Nitrite** | Molybdenum
- **TN** | Vanadium
- **TC** | Zinc
- **DIC** | Hydroxide
- **Arsenic** | Total Hardness
- **Barium** | Manganese
- **Beryllium** | Phosphate
- **Cadium** | Ion Balance
- **Chromium** | Amm. Nitrogen
- **Cobalt** | Total Phosphate
- **Copper** | Total Alkalinity
- **Total Hardness** | N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

| Electric Log: No |
|------------------|------------------|
| **Transmissivity:** m³/day |
| **Gamma Log:** No |
| **Storativity:** |
| **Aquifer Test:** No |
| **Project:** |
| **Database:** 1.000H |

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: Chemistry</td>
<td>(m) (m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
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<tr>
<td>Completed Depth: 86.9 (m)</td>
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<td>Abandonment:</td>
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<tr>
<td>Casing:</td>
<td></td>
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<tr>
<td>Type:</td>
<td></td>
</tr>
<tr>
<td>Depth (m): Bottom (m):</td>
<td></td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Seal Type:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
</tr>
<tr>
<td>Liner:</td>
<td></td>
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<tr>
<td>Type:</td>
<td></td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Top (m): Bottom (m):</td>
<td></td>
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<td>Perforated How:</td>
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<td>from (m): to Size:</td>
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<td></td>
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<tr>
<td>Screen:</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
</tr>
<tr>
<td>Model: Intake (m):</td>
<td></td>
</tr>
<tr>
<td>Testing:</td>
<td></td>
</tr>
<tr>
<td>Rate (lpm): Time (minute):</td>
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</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
<td></td>
</tr>
<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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<table>
<thead>
<tr>
<th>Laboratory: 16 Nov 83</th>
<th>Electric Log: No Transmissivity: m²/day</th>
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<tbody>
<tr>
<td>pH (pH unit): 8.60</td>
<td>Gamma Log: No Storativity:</td>
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<td>Cond. (µS/cm): 960.0</td>
<td>Aquifer Test: No</td>
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<tr>
<td>TDS: 552.0</td>
<td>Project:</td>
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<tr>
<td>Sodium: 224.02 Nitrate: Strontium</td>
<td>AEP Data: Yes Well Field Verified: No</td>
</tr>
<tr>
<td>Potassium: 0.39 Nitrite: Molybdenum</td>
<td></td>
</tr>
<tr>
<td>Calcium: TN Vanadium</td>
<td></td>
</tr>
<tr>
<td>Magnesium: TC Zinc</td>
<td></td>
</tr>
<tr>
<td>Carbonate: 14.10 DIC Hydroxide</td>
<td></td>
</tr>
<tr>
<td>Bicarbonate: 596.88 Arsenic Total Hardness: 7.00</td>
<td></td>
</tr>
<tr>
<td>Aluminum: Barium Manganese</td>
<td></td>
</tr>
<tr>
<td>Sulphate: 14.89 Beryllium Phosphate</td>
<td></td>
</tr>
<tr>
<td>Chloride: 2.13 Cadmium Ion Balance: 0.92</td>
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</tr>
<tr>
<td>Fluoride: 2.25 Chromium Amm. Nitrogen</td>
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<tr>
<td>Iron: 0.17 Cobalt Total Phosphate</td>
<td></td>
</tr>
<tr>
<td>TOC: Copper Total Alkalinity: 513.0</td>
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</tr>
<tr>
<td>Silica: 7.50 Lead Nitrate&amp;Nitrite N</td>
<td></td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Water Well Positioned by PFRA in 10TM NAD 27</td>
<td></td>
</tr>
</tbody>
</table>

printed on 2/20/98
Well Number 02969

Well Owner: Wagner, R.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 766
Licence No.: Easting: 67,606.87
Date Started: Northing: 5,946,644.50
Date Completed: 05 Feb 75

General:
Type of Work: Chemistry
Drilling Method: Drilled
Well Use: Domestic
Completed Depth: 76.2 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):

Perforated How: Unknown
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
05 Feb 75

pH (pH unit) 7.30 COD Mercury
Cond. (µS/cm) 820.0 SAR Nickel
TDS 536.0 TKN Selenium
Sodium 26.91 Nitrate Strontium
Potassium 1.96 Nitrite Molybdenum
Calcium 138.08 TN Vanadium
Magnesium 27.97 TC Zinc
Carbonate 521.64 DIC Hydroxide
Bicarbonate 521.64 Arsenic Total Hardness 460.00
Aluminium 26.91 Barium Manganese
Sulphate 80.21 Beryllium Phosphate
Chloride 26.91 Cadmium Ion Balance 1.02
Fluoride 0.17 Chromium Amm. Nitrogen
Iron 1.00 Cobalt Total Phosphate
TOC 1.00 Copper Total Alkalinity 428.0
Silica 1.00 Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Transmissivity: m³/day
Storativity:
Amp T: No
TOC: 0
Silica: 1.00H
AEP Data: Yes
Well Field Verified: No

Electric Log: No
Gamma Log: No
Aquifer Test: No
Database: 1.000H
Project:
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
**Well Number: 02970**

**Well Owner:** Wagner, Raymond  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number</th>
<th>02970</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m):</td>
<td>777</td>
</tr>
<tr>
<td>AEP:</td>
<td>261079</td>
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<tr>
<td>Licence No.:</td>
<td>67.272.10</td>
</tr>
<tr>
<td>Date Started:</td>
<td>24 Apr 75</td>
</tr>
<tr>
<td>Northing:</td>
<td>5,940,865.00</td>
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<tr>
<td>Date Completed:</td>
<td>30 Apr 75</td>
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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>83.5 (m)</th>
<th>NPWL (m):</th>
<th>19.8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Abandonment:</strong></td>
<td></td>
<td>Verified NPWL (m):</td>
<td></td>
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</tbody>
</table>

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 54.6  
- **Bottom (m):** 54.6

<table>
<thead>
<tr>
<th>OD (mm):</th>
<th>114.3</th>
<th>Thickness (mm):</th>
<th>0.1</th>
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</table>

**Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**  
- **OD (mm):** 88.9  
- **Top (m):** Bottom (m): 82.6

<table>
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<th>Perforated How:</th>
<th>Torch</th>
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<td><strong>from (m):</strong> to 82.6</td>
<td>Size:</td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td>Size:</td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td>Size:</td>
</tr>
</tbody>
</table>

**Screen:**
- **Material:**  
- **OD (mm):**
  - **from (m):** to  
  - **from (m):** to  
  - **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:** Sub  
**Model:** Mcdougall

<table>
<thead>
<tr>
<th>Intake (m):</th>
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<tbody>
<tr>
<td><strong>Testing:</strong></td>
<td></td>
</tr>
<tr>
<td>Rate (lpm):</td>
<td>6.8</td>
</tr>
<tr>
<td><strong>Time (minute):</strong></td>
<td>420.0</td>
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<tr>
<td>Level End (m):</td>
<td>50.3</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>50.3</td>
</tr>
</tbody>
</table>

**Laboratory:**  
18 Jun 75

| pH (pH unit): | 7.60 |
| pH (pH unit): | 7.60 |
| Cond. (µS/cm): | 1050 |
| SAR: | 667.0 |
| TDS: | 67.0 |
| Sodium: | 221.03 |
| Nitrate: | 1.96 |
| Potassium: | 42.08 |
| Calcium: | 4.01 |
| Magnesium: | 627.18 |
| Carbonate: | 80.21 |
| Bicarbonate: | 6.03 |
| Arsenic: | 0.03 |
| Barium: | 124.00 |
| Manganese: | 1.96 |
| Sulphate: | 42.08 |
| Beryllium: | 80.21 |
| Chloride: | 6.03 |
| Chromium: | 221.03 |
| Cobalt: | 124.00 |
| Iron: | 80.21 |
| TOC: | 6.03 |
| TOC: | 6.03 |
| Silicon: | 6.03 |
| Lead: | 6.03 |
| Nitrate: | 6.03 |
| Nitrite: | 6.03 |
| Copper: | 6.03 |
| Total Alkalinity: | 514.0 |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 64.0 (m)
  - NPWL (m): 18.3
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 25.9
  - Bottom (m): 25.9
- **OD (mm):** 139.7
  - Thickness (mm):
- **Seal Type:** Driven
  - from (m): to

**Liner:**

- **Type:**
  - OD (mm): 114.3
  - Thickness (mm):
  - Top (m): Bottom (m): 64.0
- **Perforated How:** Unknown
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
  - Intake (m):

**Testing:**

- **Rate (lpm):** 57.0
  - Time (minute): 120.0
- **Level End (m):**
  - Drawdown (m):
  - Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**

- **19 Dec 85**

- **pH (pH unit):** 7.60
- **Cond. (µS/cm):** 945.0
- **TDS:** 576.0
- **Sodium:** 100.05
- **Potassium:** 2.74
- **Calcium:** 103.01
- **Magnesium:** 14.96
- **Barium:** 56.190
- **Aluminium:** 76.85
- **Chloride:** Cadmum
- **Fluoride:** Chromium
- **Iron:** 4.37
- **TOC:** Copper
- **Silica:** 13.10

- **COD:** Mercury
- **SAR:** Nickel
- **Mercury:** Selenium
- **Nitrate:** Molybdenum
- **Vanadium:** TC
- **Sulphate:** Zinc
- **DIC:** Hydroxide
- **Total Hardness:** 319.00
- **Strontium:** Total Alkalinity **461.0**
- **Watson:** Total Hardness
- **Lead:** Lead
- **Total Alkalinity:** Bicarbonate
- **Phosphate:** Hydroxide
- **Total Phosphate:** Manganese
- **Nitrate:** Ammonium
- **Nitrite:** Total Phosphate
- **Molybdenum:** Total Alkalinity
- **Amm. Nitrogen:** Lead
- **Phosphate:** Sulphate
- **Sulphate:** Lead
- **Nitrate:** Nitrite

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
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<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
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<td>753.8</td>
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<td>11.6</td>
<td>747.4</td>
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<tr>
<td>13.4</td>
<td>745.5</td>
</tr>
<tr>
<td>24.4</td>
<td>734.6</td>
</tr>
<tr>
<td>55.5</td>
<td>703.5</td>
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<tr>
<td>56.1</td>
<td>702.9</td>
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<td>57.0</td>
<td>701.9</td>
</tr>
<tr>
<td>59.4</td>
<td>699.5</td>
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</tbody>
</table>

**Lithologic Description**

- Clay & Rocks
- Sand
- Clay Sandy
- Sandstone Very Fine Grained
- Sandstone & Shale Strg’S
- Shale Brown
- Coal
- Shale Brown
- Sandstone

---

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:**

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<th>Electric Log:</th>
<th>Transmissivity:</th>
<th>m²/day</th>
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<tr>
<td>Gamma Log:</td>
<td>Storativity:</td>
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<td>No</td>
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<td>Aquifer Test:</td>
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<td>AEP Data:</td>
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<tr>
<td>Yes</td>
<td>Well Field Verified:</td>
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</table>
Water Well Positioned by PFRA in 10TM NAD 27
Well Number 02973

Well Owner: Yvan, Roy
Drilling Contractor: Unknown Driller
AEP: 261126
Licence No.: Unknown
Date Started: 5,940,644.50
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 18.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory: 29 Mar 83
pH (pH unit) 7.70 COD Mercury
Cond. (µS/cm) 933.0 SAR Nickel
TDS 552.0 TKN Selenium
Sodium 69.00 Nitrate Strontium
Potassium 2.35 Nitrite Molybdenum
Calcium 111.02 TN Vanadium
Magnesium 16.97 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 558.85 Arsenic Total Hardness 355.00
Aluminium 25.46 Barium Manganese
Sulphate 74.93 Beryllium Phosphorus
Chloride 15.01 Cadmium Ion Balance 0.94
Fluoride 8.16 Chromium Amm. Nitrogen
Iron 0.07 Cobalt Total Phosphate
TOC 86.3 Copper Total Alkalinity 459.0
Silica 12.50 Lead Nitrate & Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity: 
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 02974

**Well Owner:** Osborne Bros.

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 778

<table>
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<th>Licence No.:</th>
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<th>Northing:</th>
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<tbody>
<tr>
<td>778</td>
<td>67,586.58</td>
<td>5,940,962.50</td>
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**Date Started:** 07 Sep 73

**New Well**

**Drilling Method:** Rotary

**Well Use:** Domestic

**Completed Depth:** 73.5 (m)
**NPWL (m):** 15.2

**Abandonment:**

**Type:** Galvanized Steel
**Depth (m):** 45.4
**Bottom (m):** 45.4
**OD (mm):** 115.8
**Thickness (mm):** 0.1

**Formation Seal**
from (m): to 30.5

**Type:** Unknown
**OD (mm):** 90.2
**Thickness (mm):** 0.1

**Top (m):** to 73.5

**Perforated How:** Unknown
from (m): to 73.5

**Type:** Unknown
**OD (mm):** 90.2
**Thickness (mm):** 0.1

**Bottom (m):** to 73.5

**Screen:**

**Material:**
**OD (mm):**
from (m): to 73.5

**Open Hole:**

**from (m):**

**Pump:**

**Model:**
**Intake (m):**

**Testing:**

**Rate (lpm):** 13.7
**Time (minute):** 630.0

**Level End (m):** 48.8
**Drawdown (m):** 33.5

**Rec'd Rate (lpm):**
**Rec'd intake (m):**

**Laboratory:**

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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

water Well Positioned by PFRA in 10TM NAD 27
# General:

**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Stock  
**Completed Depth:** 39.0 (m)  
**NPWL (m):** 25.9  
**Verified NPWL (m):**  
**Abandonment:**  
**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 37.8  
- **Bottom (m):** 37.8  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m):  
- **to:**  
**Liner:**  
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** from (m):  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  
**Screen:**  
- **Material:** St  
- **OD (mm):** 1.1  
- **from (m):** 37.8  
- **to:** 39.0  
- **Size:** 0.01  
- **from (m):**  
- **to:**  
**Open Hole:** from (m):  
- **to:**  
**Pump:**  
- **Model:**  
- **Intake (m):**  
**Testing:**  
- **Flow Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 10.7  
- **Rec'd Intake (m):**  
- **Rec'd Rate (lpm):**  

## Laboratory:

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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

*Chemical Constituents are in mg/l (ppm). Except as noted.*

## Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Well Number:** 02975  
**Well Owner:** Panasiuk, Joe  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt  
**Elevation (AMSL) (m):** 774  
**AEP:** 261241  
**Licence No.:** Easting: 68,606.65  
**Date Started:** 18 Feb 85  
**Northing:** 5,943,293.50  
**Date Completed:** 19 Feb 85  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**NW 07-054-27 W4M**

**Well Owner:** Moore, Robert  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 779  
**AEP:** 261193  
**Date Started:**  
**Easting:** 67,297.82  
**Date Completed:**  
**Northing:** 5,942,955.50

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

**Completed Depth (m):**  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Magnesium:**  
- **Calcium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  
- **Nickel:**  
- **Selenium:**  
- **Nitrate:**  
- **Sodium:**  
- **Sodium:**  
- **Nitrate:**  
- **Molybdenum:**  
- **Potassium:**  
- **Vanadium:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
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- **Manganese:**  
- **Beryllium:**  
- **Phosphate:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Cobalt:**  
- **Total Phosphate:**  
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- **Total Alkalinity:**  
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- **Iron:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Transmissivity:** m³/day  
**Storativity:**  
**AEP Data:** Yes  
**Well Field Verified:** No  
**Database:** 1.000H

**printed on 2/20/98**
**General:**

- **Type of Work**: Chemistry
- **Drilling Method**: Not Applicable
- **Well Use**: Domestic

**Completion Depth**

- **NPWL (m)**: 
- **Verified NPWL (m)**: 

**Abandonment**

- **Type**: 
- **Depth (m)**: Bottom (m): 
- **Thickness (mm)**: 
- **Seal Type**: 
- **from (m)**: to 

**Liner**

- **Type**: 
- **OD (mm)**: Thickness (mm): 
- **Top (m)**: Bottom (m): 
- **Perforated How**: 
- **from (m)**: to **Size**: 
- **from (m)**: to **Size**: 
- **from (m)**: to **Size**: 

**Screen**

- **Material**: 
- **OD (mm)**: 
- **from (m)**: to **Size**: 
- **from (m)**: to **Size**: 

**Open Hole**

- **from (m)**: to 

**Pump**

- **Model**: 
- **Intake (m)**: 

**Testing**

- **Rate (lpm)**: **Time (minute)**: 
- **Level End (m)**: **Drawdown (m)**: 
- **Rec'd Intake (m)**: **Rec'd Rate (lpm)**: 

**Laboratory**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**Electric Log:**

- **Transmissivity**: m³/day
- **Gamma Log**:
- **Storativity**: 
- **Aquifer Test**: No
- **AEP Data**: Yes

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number 02981**

**Well Owner:** Christensen, R.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 773

**AEP:** 261190

**Licence No.:**

**Date Started:**

**Date Completed:**

**Well Located:** SE 07-054-27 W4M

**Well Number:** 02981

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m):
  - OD (mm):
  - Thickness (mm):

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m):
  - OD (mm):
  - Thickness (mm):
  - Bottom (m):

### Screen:
- **Material:**
- **OD (mm):** from (m):
  - Size:
  - Thickness (mm):
  - to

### Open Hole:
- **from (m):**

### Pump:
- **Model:**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:

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**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 02982

**Well Owner:** Durand, Don

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 771

**AEP:** 152138

**Licence No.:** Easting: 68,436.24

**Date Started:** 05 Jun 90

**Date Completed:** 07 Jun 90

**Northing:** 5,942,103.91

---

### General:

- **Type of Work:** Dry Hole
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Unknown

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):**
- **Seal Type:**
- **from (m):**
- **Thickness (mm):**
- **to:**

### Liner:

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Perforated How:**
- **Bottom (m):**
- **from (m):**
- **Size:**
- **to:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **to:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d rate (lpm):**

### Laboratory:

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **No**
- **Transmissivity:** m³/day

### Gamma Log:

- **No**
- **Storativity:**

### Aquifer Test:

- **No**

### Project:

- **Database:** 1.000H

### AEP Data:

- **Yes**
- **Well Field Verified:** No

---

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
SE 07-054-27 W4M

Well Owner: Durand, Don
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 771
Licence No.: 152137
Date Started: 01 Jun 90
Date Completed: 05 Jun 90

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<td>(m)</td>
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| Casing | | |
|---------| | |
| Type: | | |
| Depth (m): | Bottom (m): | |
| OD (mm): | Thickness (mm): | |
| Seal Type: | from (m): | to | |

| Liner | | |
|--------| | |
| Type: | | |
| OD (mm): | Thickness (mm): | |
| Top (m): | Bottom (m): | |
| Perforated How: | from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

| Screen | | |
|--------| | |
| Material: | | |
| OD (mm): | from (m): | to | Size: |
| from (m): | to | Size: |
| Open Hole: | from (m): | to | |

| Pump | | |
|------| | |
| Model: | Intake (m): | |
| Testing | | |
| Rate (lpm): | Time (minute): | |
| Level End (m): | Drawdown (m): | |
| Rec'd intake (m): | Rec'd Rate (lpm): | |

| Laboratory | | |
|------------| | |
| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

| Remarks | | |
|----------| | |
| Water Well Positioned by Mow-Tech in 10TM NAD 27 | | |

Chemical Constituents are in mg/l (ppm). Except as noted.

<table>
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<tr>
<th>Electric Log: No</th>
<th>Transmissivity: m³/day</th>
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<td>Gamma Log: No</td>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
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<td>Project:</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**SE 07-054-27 W4M**

**Well Number: 02984**

**Well Owner:** Durand, Don

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 770  
**AEP:** 152391  
**Licence No.:** 68,630.09  
**Date Started:** 08 Jun 90  
**Nortthing:** 5,942,596.00  
**Date Completed:** 13 Jun 90

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

#### Completion Details:
- **Completed Depth:** 106.4 (m)  
- **NPWL (m):** 54.9  
- **Verified NPWL (m):**

#### Abandonment:
- **Type:** Steel
- **Depth (m):** 76.2  
- **Bottom (m):** 76.2  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1

#### Casing:
- **Type:** Shale Trap
- **Depth (m):** 76.2  
- **Bottom (m):** 106.5

#### Liner:
- **Type:** Machine
- **Depth (m):** 76.2  
- **Bottom (m):** 106.5

#### Lithologic Description:

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<tr>
<td>7.6</td>
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<td>739.9</td>
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<td>106.4</td>
<td>664.0</td>
<td>Sandstone</td>
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### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - size:
- **Top (m):**
  - from (m): to
  - size:

### Open Hole:
- **from (m):**
- size:

### Pump:
- **Model:**
- **Intake (m):** 79.2

### Testing:
- **Rate (lpm):** 11.4  
- **Time (minute):** 420.0  
- **Level End (m):** 79.2  
- **Drawdown (m):** 24.4  
- **Rec'd intake (m):**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Remarks:

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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<tr>
<td>Fluoride</td>
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<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 07-054-27 W4M**

**Well Number: 02985**

**Well Owner:** Johnson, Doug  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

<table>
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<tbody>
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<td>Licence No.:</td>
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<td>Date Started:</td>
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<tr>
<td>Date Completed:</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 30.5 (m)  
**NPWL (m):** 20.1  
**Verified NPWL (m):**

**Abandonment:**
- **Casing:** Type: Plastic  
  **Depth (m):** 21.9  
  **Bottom (m):** 21.9  
  **OD (mm):** 152.4  
  **Thickness (mm):** 0.2

**Seal Type:** Benseal
- **from (m):** to 20.1

**Liner:**
- **Type:**  
  **OD (mm):**  
  **Thickness (mm):**
- **Top (m):**  
  **Bottom (m):**

**Perforated How:**
- **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**

**Screen:**
- **Material:** St  
  **OD (mm):** 0.9  
  **from (m):** to 23.5  
  **Size:** 0.01

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
  **Intake (m):** 21.9

**Testing:**
- **Rate (lpm):** 27.4  
  **Time (minute):** 120.0
- **Level End (m):** 20.4  
  **Drawdown (m):** 0.3
- **Rec'd intake (m):** 21.9  
  **Rec'd Rate (lpm):** 27.4

**Laboratory:**
- **pH (pH unit):** COD  
  **SAR:** Mercury
- **TDS:** TKN  
  **Nitrate:** Selenium
- **Sodium:** Nitrite  
  **Strontium:**
- **Potassium:** Nitrile  
  **Molybdenum:**
- **Calcium:** TN  
  **Vanadium:**
- **Magnesium:** TC  
  **Zinc:**
- **Carbonate:** DIC  
  **Hydroxide:**
- **Bicarbonate:** Arsenic  
  **Total Hardness:**
- **Aluminum:** Barium  
  **Manganese:**
- **Sulphate:** Beryllium  
  **Phosphate:**
- **Chloride:** Cadmium  
  **Ion Balance:**
- **Fluoride:** Chromium  
  **Amm. Nitrogen:**
- **Iron:** Cobalt  
  **Total Phosphate:**
- **TOC:** Copper  
  **Total Alkalinity:**
- **Silica:** Lead  
  **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Printed on:** 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 31.1 (m)
- **NPWL (m):** 23.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 29.0
- **Bottom (m):** 29.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 11.0
- **to:** 12.5

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **Size:**
- **from (m):**
- **to:**

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 29.0
- **to:** 30.5
- **Size:** 0.01
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 27.4

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 26.2
- **Drawdown (m):** 2.7
- **Rec'd intake (m):** 28.4
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number:** 02986

**Well Owner:** Johnson, Doug

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 775

**AEP:** 217355

**Date Started:** 14 Jul 93

**Norting:** 5,942,558.00

**Date Completed:** 14 Jul 93

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**
- 2.7 772.1 Clay Brown
- 3.4 771.5 Sand
- 12.5 762.3 Clay
- 18.3 756.5 Sand
- 25.9 748.9 Clay Silty Gray
- 28.0 746.8 Sand Fine Grained
- 31.1 743.7 Sand Coarse Grained

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

Printed on 2/20/98
**SE 07-054-27 W4M**

**Well Number:** 02987

**Well Owner:** Johnson, Doug

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 773

**Licence No.:** Easting: 68,572.36

**Date Started:** 28 Oct 92

**Nordin: 5,942,199.50**

**Date Completed:** 29 Oct 92

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 29.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 24.4
- **Bottom (m):** 24.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 23.5 to 24.4

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 23.8
- **Bottom (m):** 48.8
- **Perforated How:** Saw
- **from (m):** 30.5 to 48.8
- **Size:**
- **from (m):** 30.5 to 48.8
- **Size:**
- **from (m):** 30.5 to 48.8

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 48.8

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 180.0
- **Level End (m):** 41.2
- **Drawdown (m):** 11.6
- **Rec'd intake (m):** 42.7
- **Rec'd Rate (lpm):** 18.2

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<td>Silica</td>
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### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 07-054-27 W4M**

**Well Owner:** Singing Hills Devel Ltd  
**Drilling Contractor:** Hokenson Ww Ltd

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m  
  **NPWL (m):** 26.5
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 41.5  
  **Bottom (m):** 41.5
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**
- **from (m):** to  
  **Size:**

**Screen:**
- **Material:** St  
- **OD (mm):** 41.5  
  **from (m):** to  
  **Size:** 0.02
- **Top (m):**
- **Bottom (m):**
- **Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 43.3  
  **Time (minute):** 480.0
- **Level End (m):** 36.0  
  **Drawdown (m):** 9.4
- **Rec’d intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Arsenic:**
- **Nitrate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 02988**

- **Elevation (AMSL) (m):** 773
- **AEP:** 261183
- **Date Started:** 19 Mar 76
- **Date Completed:** 23 Mar 76

- **Licence No.:**
- **Easting:** 68,438.48
- **Northing:** 5,942,299.00

**Depth Elevation (BGL) (AMSL) Lithologic Description**

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<th>(m)</th>
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<td>766.6</td>
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<td>Clay &amp; Silt Soft Brown</td>
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<td>Sand Coarse Grained Brownish G</td>
<td>44.2</td>
<td>728.6</td>
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<tr>
<td>Clay &amp; Sand</td>
<td>45.7</td>
<td>727.0</td>
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**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents**

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<td>Hydroxide</td>
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<td>Manganese</td>
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<td>Beryllium</td>
<td>Phosphate</td>
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<td>Ion Balance</td>
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<td>Cobalt</td>
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<tr>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m³/day
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H
**AEP Data:** Yes  
**Well Field Verified:** No
### Well Details

**SE 07-054-27 W4M**

**Well Owner:** Smith, Ken

**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 781

**Licence No.:** Easting: 68,280.05

**Date Started:** 29 Jul 94

**Easting:** Northing: 5,942,447.50

**Date Completed:** 30 Jul 94

**Well Number:** 02989

### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 25.3
- **Verified NPWL (m):**

### Abandonment

**Type:** Plastic

**Depth (m):** 32.3

**Bottom (m):** 32.3

**OD (mm):** 152.4

**Thickness (mm):** 0.2

**Seal Type:** Bentonite Chips/Tablet

**from (m):** 36.6

**to (m):** 64.0

**Size:**

### Liner

**Type:**

**OD (mm):**

**Thickness (mm):**

**Top (m):** 30.5

**Bottom (m):** 64.0

**Perforated How:** Saw

**from (m):** 36.6

**to (m):** 64.0

### Screen

**Material:**

**OD (mm):**

**Thickness (mm):**

**from (m):**

**to (m):**

### Open Hole

**from (m):**

### Pump

**Model:** Sub

**Intake (m):** 57.9

### Testing

- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory

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<th>Parameter</th>
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### Lithologic Description

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<th>Elevation (BGL) (m)</th>
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<td>55.2</td>
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### Electric Log

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### Gamma Log

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### Aquifer Test

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### AEP Data

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Electric Log: No, Transmissivity: m³/day, Gamma Log: No, Storativity: Testable, Aquifer Test: No, Project: Database: 1.000H, AEP Data: Yes, Well Field Verified: No*
**SE 07-054-27 W4M**

Well Owner: *Spectrum Const*
Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*

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<th>General:</th>
<th>Depth Elevation</th>
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<td><strong>Lithologic Description</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td>Well Use: Industrial</td>
<td>(m)</td>
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<tr>
<td>Completed Depth: 47.2 (m)</td>
<td><strong>(m)</strong></td>
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<tr>
<td>NPWL (m): 27.4</td>
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<tr>
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<td><strong>Casing:</strong></td>
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<td>Type: Galvanized Steel</td>
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<tr>
<td>OD (mm): 114.3</td>
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<td><strong>Seal Type:</strong></td>
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<td>from (m): to</td>
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<tr>
<td>Top (m):</td>
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<tr>
<td>from (m): to</td>
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<td><strong>Screen:</strong></td>
<td><strong>Shale Sandy Gray</strong></td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

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<tr>
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<td>Strontium</td>
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</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**SE 07-054-27 W4M**

**Well Owner:** Stanislawski, Bernard  
**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

**Elevation (AMSL) (m):** 770  
**AEP:** 261192  
**Date Started:** 03 Nov 87  
**Date Completed:** 04 Nov 87

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 18.3  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 41.2  
- **Bottom (m):** 41.2  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Drive Shoe  
- **from (m):** to **41.2**

### Liner:
- **Type:**
- **OD (mm):** 76.2  
- **Thickness (mm):** 0.1  
- **Top (m):** 40.8  
- **Bottom (m):** 54.9  
- **Perforated How:** Unknown  
- **from (m):** **41.2** to **54.9**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to 
- **to:**

### Open Hole:
- **from (m):** to 

### Pump:
- **Model:**
- **Intake (m):** 39.6  
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 21.3  
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 22.8

### Laboratory:

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### Electric Log:
- **Transmissivity:** m²/day  
- **Storativity:**

### Gamma Log:
- **Aquifer Test:** No  
- **Project:** Database: 1.000H

### Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 07-054-27 W4M**

**Well Owner:** Steinislewski, Bernard  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 781  
**AEP:** 238759  
**Licence No.:** 68.224.60  
**Date Started:** 14 Oct 93  
**Northing:** 5,942,067.00  
**Date Completed:** 14 Oct 93

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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<th><strong>Depth (m):</strong></th>
<th><strong>Bottom (m):</strong></th>
<th><strong>Type of Work:</strong></th>
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<td>27.4</td>
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<td>54.9</td>
<td>725.8</td>
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<td>54.9 725.8  Shale Gray</td>
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### Casing:
- **Type:** Steel  
- **Depth (m):** 27.4  
- **Bottom (m):** 27.4  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 25.9  
- **to:** 27.4

### Liner:
- **Type:** Steel  
- **Depth (m):** 114.3  
- **Bottom (m):** 54.9  
- **OD (mm):** 24.4  
- **Thickness (mm):** 0.1  
- **Perforated How:** Hand Drill  
- **from (m):** 28.0  
- **to:** 54.0  
- **Top (m):** 24.4  
- **Bottom (m):** 54.9

### Screen:
- **Material:** Steel  
- **OD (mm):** Steel  
- **from (m):** Steel  
- **to:** Steel  
- **Open Hole:** Steel  
- **from (m):** Steel  
- **to:** Steel

### Pump:
- **Model:** Steel  
- **Intake (m):** 54.9  
- **Rate (lpm):** 22.8  
- **Time (minute):** 180.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 24.4  
- **Rec'd intake (m):** 45.7  
- **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):** Steel  
- **COD:** Steel  
- **SAR:** Steel  
- **TDS:** Steel  
- **Nitrate:** Steel  
- **Strontium:** Steel  
- **Potassium:** Steel  
- **Nitrite:** Steel  
- **Molybdenum:** Steel  
- **Calcium:** Steel  
- **TN:** Steel  
- **Vanadium:** Steel  
- **Magnesium:** Steel  
- **TC:** Steel  
- **Zinc:** Steel  
- **Carbonate:** Steel  
- **DIC:** Steel  
- **Hydroxide:** Steel  
- **Bicarbonate:** Steel  
- **Arsenic:** Steel  
- **Total Hardness:** Steel  
- **Aluminum:** Steel  
- **Barium:** Steel  
- **Manganese:** Steel  
- **Sulphate:** Steel  
- **Beryllium:** Steel  
- **Phosphate:** Steel  
- **Chloride:** Steel  
- **Cadmium:** Steel  
- **Ion Balance:** Steel  
- **Fluoride:** Steel  
- **Chromium:** Steel  
- **Amm. Nitrogen:** Steel  
- **Iron:** Steel  
- **Cobalt:** Steel  
- **Total Phosphate:** Steel  
- **TOC:** Steel  
- **Copper:** Steel  
- **Total Alkalinity:** Steel  
- **Silica:** Steel  
- **Lead:** Steel  
- **Nitrate&Nitrite N:** Steel

### Electric Log:
- **Transmissivity:** No  
- **Gamma Log:** No  
- **Aquifer Test:** No  
- **Project:** Yes  
- **Database:** 1.000H

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Printed on:** 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 17.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 41.8
- **Bottom (m):** 41.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 41.8

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 40.5
- **Bottom (m):** 82.3
- **Perforated How:** Saw
- **from (m):** 67.1 to 82.3

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:** Sub

- **Model:** Jacuzzi
- **Intake (m):** 54.9

**Testing:**

- **Rate (lpm):** 13.7
- **Time (minute):** 1200.0
- **Level End (m):** 51.8
- **Drawdown (m):** 34.1
- **Rec'd Rate (lpm):** 57.9
- **Rec'd intake (m):** 13.7

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **Material:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 02993**

- Elevation (AMSL) (m): 774
- AEP: 162707
- Licence No.: 68,630.09
- Date Started: 10 May 93
- Noting: 5,942,423.00
- Date Completed: 11 May 93

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<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>18.9</td>
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<td>82.3</td>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**SE 07-054-27 W4M**

**Well Number:** 02994  
**Elevation (AMSL) (m):** 773  
**AEP:** 261188  
**Licence No.:** 68,438.48  
**Date Started:** 01 May 81  
**Nortthing:** 5,942,299.00  
**Date Completed:** 04 May 81

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 56.4 (m)  
- **NPWL (m):** 21.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**
- **Type:** Steel  
- **Depth (m):** 47.2  
- **Bottom (m):** 47.2  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Gravel Pack  
  - from (m): 39.6  
  - to 47.2

**Liner:**
- **Type:**  
- **OD (mm):** 88.9  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):** 56.4  

**Perforated How:** Torch  
- **from (m):** 47.2  
- **to 56.4**  
- Size:  
- **from (m):**  
- **to**  
- Size:  
- **from (m):**  
- **to**  
- Size:  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to**  
- Size:  
- **from (m):**  
- **to**  
- Size:  

**Open Hole:**
- **from (m):**  
- **to**

**Pump:**
- **Model:**  
- **Intake (m):** 39.6  
- **Rate (lpm):** 54.7  
- **Time (minute):** 180.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 15.2  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):** 54.7

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:**  
- **TKN:** Selenium  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Owner:** Dzioba, Gus/Myrna  
Drilling Contractor: Marwayne Water Well Drilling Services Lt  

**Elevation (AMSL) (m):** 735  
**Date Started:** 02 Nov 95  
**Easting:** 70,229.30  
**AEP:** 254349  
**Date Completed:** 04 Nov 95  
**Northing:** 5,942,954.00  

### Lithologic Description

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### Laboratory and Testing

**Chemical Constituents are in mg/l (ppm). Except as noted.**

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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<tr>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Pump</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### NE 08-054-27 W4M

**Well Owner:** Shenfield, John J.  
**Drilling Contractor:** Unknown Driller

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<th>Depth Elevation (BGL) (AMSL)</th>
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<td>(m)</td>
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<td>Seal Type:</td>
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<td>Silica</td>
<td>Lead</td>
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**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
NE 08-054-27 W4M

Well Number 02999

Well Owner: Shenfield, Mark
Drilling Contractor: Triple M Drlg

Elevation (AMSL) (m): 735
AEP: 261292
Licence No.: Easting: 70,229.30
Date Started: 28 Sep 77
Notthing: 5,942,954.00
Date Completed: 30 Sep 77

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<td>Cond. (µS/cm) 893.0 SAR Nickel</td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td>TDS 529.0 TKN Selenium</td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td>Sodium 215.97 Nitrate Strontium</td>
</tr>
<tr>
<td>Screen:</td>
<td>Potassium 2.74 Nitrite Molybdenum</td>
</tr>
<tr>
<td>Type:</td>
<td>Calcium 3.01 TN Vanadium</td>
</tr>
<tr>
<td>Bottom (m): Top (m):</td>
<td>Magnesium TC Zinc</td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td>Carbonate 101.10 DIC Hydroxide</td>
</tr>
<tr>
<td>from (m):</td>
<td>Bicarbonate 488.69 Arsenic Total Hardness 9.00</td>
</tr>
<tr>
<td>from (m):</td>
<td>Aluminum Barium Manganese</td>
</tr>
<tr>
<td>Screen:</td>
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<td>Bottom (m):</td>
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<tr>
<td>Pump:</td>
<td>Rate (lpm): 6.8 Time (minute): 480.0</td>
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<td>Rec’d intake (m):</td>
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<td>Rate (lpm):</td>
<td>Rec’d Rate (lpm):</td>
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</table>
**Well Number: 03000**

**Well Owner:** Foster, Brad  
**Drilling Contractor:** Midwest Water Well Ltd.

**Well Details:**
- **Elevation (AMSL) (m):** 763  
- **AEP:** 160797  
- **Date Started:** 05 Apr 91  
- **Date Completed:** 08 Apr 91

### General

- **Type of Work:** Reconditioned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 110.3 (m)  
- **NPWL (m):** 22.9  
- **Verifed NPWL (m):**

### Abandonment

**Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Casing

**Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner

**Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen

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<tbody>
<tr>
<td>St</td>
<td>1.2</td>
<td>54.6 to 55.8</td>
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### Open Hole

- **from (m):** to

### Pump

**Model:** Intake (m): 33.5

### Testing

- **Rate (lpm):** 13.7
- **Time (minute):** 10080.0
- **Level End (m):** 33.5
- **Drawdown (m):** 10.7
- **Rec'd intake (m):** 49.4
- **Rec'd Rate (lpm):** 22.8

### Laboratory

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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</table>

### Remarks

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Well Number:** 03000

**Elevation (AMSL) (m):** 763

**AEP:** 160797

**Date Started:** 05 Apr 91

**Date Completed:** 08 Apr 91

**Well Owner:** Foster, Brad

**Drilling Contractor:** Midwest Water Well Ltd.
# NW 08-054-27 W4M

**Well Number:** 03001

- **Well Owner:** Guy, Bruce
- **Elevation (AMSL) (m):** 771
- **AEP:** 261291
- **Date Started:**
- **Easting:** 68,968.35
- **Date Completed:**
- **Northing:** 5,942,758.50

## General

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

## Casing

- **Type:**
  - **Depth (m):** Bottom (m):
- **OD (mm):**
  - **Thickmess (mm):**
- **Seal Type:**
  - **from (m):** to

## Liner

- **Type:**
  - ** OD (mm):**
    - **Thickmess (mm):**
  - **Top (m):**
    - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

## Screen

- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**

## Open Hole

- **from (m):** to

## Pump

- **Model:**
- **Intake (m):**

## Testing

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

## Laboratory

- **pH (pH unit):** 7.40
- **Cond. (µS/cm):** 938.0
- **TDS:** 562.0
- **Sodium:** 19.09
- **Potassium:** 3.13
- **Calcium:** 143.09
- **Magnesium:** 34.05
- **Carbonate:** 553.97
- **Bicarbonate:**
- **Aluminum:**
  - **Barium:**
  - **Manganese:**
- **Sulphate:** 88.86
- **Chloride:**
  - **Cadmium:**
  - **Ion Balance:**
- **Fluoride:** 0.13
- **Iron:** 1.71
- **TOC:**
- **Silica:** 19.00

## Laboratory Results

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nickel:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Sodium:**
- **Nitrate:**
- **Iron:**
- **Vanadium:**
- **Phosphate:**
- **TC:**
- **Zinc:**
- **TC:**
- **Magnesium:**
- **Silica:**

## Remarks

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98

---

**Electric Log:** No  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No
**Well Number:** 03002

**Well Owner:** Honfield, Brad

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 764  
**AEP:** 243931  
**Licence No.:**  
**Easting:** 68,999.06  
**Northing:** 5,942,929.50  
**Date Started:** 30 May 94  
**Date Completed:** 30 May 94

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

- **Completed Depth:** 41.8 (m)  
- **NPWL (m):** 21.6  
- **Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 32.6  
- **Bottom (m):** 32.6
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

**Seal Type:** Bentonite Chips/Tabl
- **from (m):** 30.2  
- **to:** 31.7

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 32.6  
- **to:** 34.1  
- **Size:** 0.01
- **from (m):**
- **to:** Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):** 31.4

### Testing:
- **Rate (lpm):** 18.2  
- **Time (minute):** 120.0
- **Level End (m):** 31.4  
- **Drawdown (m):** 9.8
- **Rec'd intake (m):** 31.4  
- **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:

**Database:** 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

printed on 2/20/98
**NW 08-054-27 W4M**

**Well Number:** 03003

**Well Owner:** Kilgour, William

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 764

**AEP:** 261277

**Date Started:**

**Easting:** 69,188.20

**Northing:** 5,943,057.00

**Date Completed:**

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

**25 Jan 83**

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<th>Value</th>
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<tr>
<td>pH (pH unit)</td>
<td>7.70</td>
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<td>TDS</td>
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<td>Sodium</td>
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<td>Potassium</td>
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<td>Calcium</td>
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<td>Magnesium</td>
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<tr>
<td>Carbonate</td>
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<td>Bicarbonate</td>
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<tr>
<td>Aluminium</td>
<td>Barium Total Phosphate</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium Ion Balance 0.90</td>
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<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>1.93</td>
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<td>TOC</td>
<td>Copper Total Alkalinity 430.0</td>
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<tr>
<td>Silica</td>
<td>19.10</td>
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<tr>
<td>COD</td>
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</tr>
<tr>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Arsenic</td>
<td>Total Hardness 415.00</td>
</tr>
<tr>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Cadmium</td>
<td>Ion Balance 0.90</td>
</tr>
<tr>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>Copper</td>
<td>Total Alkalinity 430.0</td>
</tr>
<tr>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

### Electric Log:

- No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No Project:
- AEP Data: Yes Database: 1.000H

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Lebrun, Jim
Drilling Contractor: Kap’S Drilling Ltd.

Elevation (AMSL) (m): 762
Date Started: 30 Sep 83
Drilling Contractor: Northing: 5,043,027.50
Date Completed: 30 Sep 83

<table>
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<tr>
<th>General:</th>
<th>Depth Elevation</th>
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</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>(mSL)</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
</tr>
<tr>
<td>Completed Depth 110.3 (m)</td>
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</tr>
<tr>
<td>NPWL (m): 22.9</td>
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</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Type: Steel</td>
<td></td>
</tr>
<tr>
<td>Depth (m): 54.6</td>
<td>Bottom (m): 54.6</td>
</tr>
<tr>
<td>OD (mm): 114.3</td>
<td>Thickness (mm): 0.0</td>
</tr>
<tr>
<td>Seal Type: Driven</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Liner:</td>
<td></td>
</tr>
<tr>
<td>Type:</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Screen:</td>
<td></td>
</tr>
<tr>
<td>Material: St</td>
<td></td>
</tr>
<tr>
<td>OD (mm): 1.2</td>
<td></td>
</tr>
<tr>
<td>from (m): 54.6</td>
<td>to 55.8</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td>Intake (m): 53.3</td>
</tr>
<tr>
<td>Testing:</td>
<td></td>
</tr>
<tr>
<td>Rate (lpm): 18.2</td>
<td>Time (minute): 120.0</td>
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<tr>
<td>Level End (m): Drawdown (m):</td>
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</tr>
<tr>
<td>Rec’d intake (m): Rec’d Rate (lpm): 18.2</td>
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</tbody>
</table>

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No

Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**General:**

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>Chemistry</th>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Unknown</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<tr>
<td>Completed Depth (m):</td>
<td>74.4</td>
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<td>NPWL (m):</td>
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<td>Verified NPWL (m):</td>
<td>Unknown</td>
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<tr>
<td>Abandonment:</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

**Casing:**

| Type: | Driller |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: | from (m): to |

**Liner:**

| Type: | Driller |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | from (m): to Size: |
| from (m): to Size: |
| from (m): to Size: |

**Screen:**

| Material: | Driller |
| OD (mm): | Thickness (mm): |
| from (m): to Size: |
| from (m): to Size: |

**Open Hole:**

| from (m): to |

**Pump:**

| Model: | Intake (m): |
| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

**Laboratory:**

<table>
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<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
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<td>pH (pH unit):</td>
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<td>TDS:</td>
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<td>Calcium:</td>
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<td>Iron:</td>
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<td>TOC:</td>
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<td>Silica:</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
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</tbody>
</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

** Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

| Lithologic Information Available | No |

**Well Number 03005**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 08-054-27 W4M**

**Well Owner:** Lw Holdings  
**Drilling Contractor:** Grove Drilling Ltd

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>12.2</td>
<td>751.8</td>
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<tr>
<td>Well Use: Domestic</td>
<td>14.0</td>
<td>749.9</td>
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<tr>
<td>Completed Depth 28.0 (m)</td>
<td>27.7</td>
<td>736.2</td>
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<tr>
<td>NPWL (m):</td>
<td>28.0</td>
<td>735.9</td>
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<tr>
<td>Verified NPWL (m):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Casing: | | |
| Type: Steel | | |
| Depth (m): 26.8 | Bottom (m): 26.8 | |
| OD (mm): 114.3 | Thickness (mm): 0.0 | |
| Seal Type: | from (m): to | |

| Liner: | | |
| Type: | | |
| OD (mm): | Thickness (mm): | |
| Top (m): | Bottom (m): | |
| Perforated How: | from (m): to | Size: |
| | from (m): to | Size: |
| | from (m): to | Size: |

| Screen: | | |
| Material: St | | |
| OD (mm): 1.2 | | |
| from (m): 26.8 to 28.0 | Size: 0.01 | |
| from (m): to | Size: | |

| Open Hole: | | |
| from (m): | to | |

| Pump: | | |
| Model: | Intake (m): | |
| Testing: | Rate (lpm): 95.8 | Time (minute): |
| | Level End (m): Drawdown (m): | Rec'd intake (m): 21.3 | Rec'd Rate (lpm): | |

| Laboratory: | | |
| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silicon | Lead | Nitrate & Nitrite N |

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 08-054-27 W4M**

Well Owner: **Ohneck, Bryce**

Drilling Contractor: **Marwayne Water Well Drilling Services Lt**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 53.0 (m)
- **NPWL (m):** 28.0 Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 51.8 **Bottom (m):** 51.8
- **OD (mm):** 127.0 **Thickness (mm):**
- **Seal Type:** Loose
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** **Thickness (mm):**
- **Top (m):** **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 7.1
- **from (m):** 51.8 **to** 53.0 **Size:** 0.01
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:** **Sub**
- **Model:**
- **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 68.4 **Time (minute):** 120.0
- **Level End (m):** 39.6 **Drawdown (m):** 11.6
- **Rec'd intake (m):** 45.7 **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**
- **(BGL) (AMSL):**
- **Lithologic Description**
  - 28.7 735.3 Clay Sandy Brown
  - 36.6 727.4 Clay Sandy Blue
  - 48.8 715.2 Sand Fine Grained Brown
  - 50.3 713.7 Sand Fine Grained Gray
  - 53.0 710.9 Sand Coarse Grained

**Database:** 1.000H

**Electric Log:** No **Transmissivity:** m³/day
**Gamma Log:** No **Storativity:**
**Aquifer Test:** No
**Project:**
**AEP Data:** Yes **Well Field Verified:** No
NW 08-054-27 W4M

Well Owner: Parent, George
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 764
Licence No.: 03008
Date Started: 09 Jan 84
Date Completed: 11 Jan 84

Well Number 03008

Water Well Positioned by PFRA in 10TM NAD 27

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 36.6 (m)
NPWL (m): 19.8
Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 27.1
Bottom (m): 27.1
OD (mm): 114.3
Thickness (mm):

Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):

Perforated How:
from (m): to
Thickness: Size:
from (m): to
Thickness: Size:
from (m): to
Thickness: Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 27.1
to 28.4
Thickness: Size: 0.01

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 9.1
Time (minute): 420.0
Level End (m): 20.7
Drawdown (m): 0.9
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
24 Feb 84

pH (pH unit): 7.30
Cond. (µS/cm): 698.0
TDS: 387.0
Sodium: 5.06
Potassium: 4.30
Calcium: 106.01
Magnesium: 25.05
Carbonate: DIC
Bicarbonate: 447.20
Aluminum: Barium
Sulphate: 24.98
Chloride: Cadmium
Fluoride: 0.30
Iron: 0.50
TOC: Copper
Silica: 18.80
COD: Mercury
SAR: Nickel
TKN: Selenium
Nitrates: Molybdenum
Selenium: Vanadium
Hydroxide: Zinc
Total Hardness: 368.00
Amm. Nitrogen: Phosphate
Ion Balance: 0.97
Amm. Nitrogen: Phosphate

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Polzin, Tim
Drilling Contractor: Marwayne Water Well Drilling Services Lt

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 49.4 (m)
- NPWL (m): 24.4
- Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 47.6
- Thickness (mm): 114.3
- Bottom (m): 47.6
- OD (mm): 0.0
- Seal Type:
- from (m): 
to

Liner:
- Type:
- OD (mm): 
- Thickness (mm):
- Top (m): 
- Bottom (m):
- Perforated How:
- from (m): 
to
- Size:
- from (m): 
to
- Size:
- from (m): 
to
- Size:

Screen:
- Material: St
- OD (mm): 0.9
- Thickness (mm):
- from (m): 47.6
to 49.4
- Size: 0.01
- from (m): 
to
- Open Hole:
- from (m): 
to

Pump:
- Model:
- Intake (m):
- Testing:
- Rate (lpm): 45.6
- Time (minute): 120.0
- Level End (m): 42.7
- Drawdown (m): 18.3
- Rec'd intake (m): 44.2
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- COD:
- SAR:
- TKN:
- Nitrate:
- Nitrite:
- Beryllium:
- Barium:
- Molybdenum:
- Beryllium:
- Phosphate:
- Cadmium:
- Amm. Nitrogen:
- Cobalt:
- Copper:
- Total Alkalinity:
- Lead:
- Nitrate:
- Nitrite N:
- Mercury:
- Nickel:
- Selenium:
- Vanadium:
- Zinc:
- Hydroxide:
- Total Hardness:
- Manganese:
- Phosphate:
- Ion Balance:
- Amm. Nitrogen:
- Total Phosphate:
- Total Alkalinity:
- Nitrate:
- Nitrite N:

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Unknown
- **Completed Depth:** 64.0 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **12 Oct 71**
- **pH (pH unit):** 7.00 COD Mercury
- **Cond. (µS/cm):** 840.0 SAR Nickel
- **TDS:** 830.0 TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness 500.00
- **Aluminum:** Barium Manganese
- **Sulphate:** 89.82 Beryllium Phosphate
- **Chloride:** 1.06 Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** 0.70 Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity 465.0
- **Silica:** Lead Nitrate & Nitrite N

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **TOC:** Copper Total Alkalinity 465.0
- **AEP Data:**
- **Database:** Project: 1.000H
- **Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 08-054-27 W4M**

**Well Owner:** Stainbrook, Leonard  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 767  
**AEP:** 261280  
**Licence No.:** Easting: 69,162.41  
**Date Started:** 21 Apr 83  
**Northing:** 5,942,752.50  
**Date Completed:** 22 Apr 83

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 27.4  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 42.4  
- **Bottom (m):** 42.4  
- **OD (mm):** 114.3  
- **Thickness (mm):**
- **Seal Type:** from (m): to
- **Perforated How:** from (m): to Size:

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **Thickness (mm):** from (m): to Size: 0.01

### Open Hole:
- **from (m): to**
- **Pump:**

### Testing:
- **Rate (lpm):** 11.4  
- **Time (minute):** 420.0  
- **Drawdown (m):**
- **Rec'd Intake (m):**

### Laboratory:
- **pH (pH unit):** 7.90  
- **COD:** Mercury  
- **Cond. (µS/cm):** 922.0  
- **SAR:** Nickel  
- **TDS:** 542.0  
- **TKN:** Selenium  
- **Nitrate:** Strontium  
- **Nitrite:** Molybdenum  
- **Molybdenum:** Vanadium  
- **Barium:** Zinc  
- **Magnesium:** Hydroxide  
- **Sodium:** Total Hardness 468.00  
- **Calcium:** Arsenic  
- **Total Hardness:** 468.00  
- **Barium:** Manganese  
- **Manganese:** Phosphate  
- **Chromium:** Ion Balance 0.98  
- **Amm. Nitrogen:** Total Phosphate  
- **Iron:** Total Alkalinity 431.0  
- **Copper:** Lead  
- **Selenium:** Nitrate & Nitrite N  
- **Phosphate:** Bicarbonate  
- **Sulphate:** Hydroxide  
- **DIC:** Carbonate  
- **Calcium:** Ammonium & Nitrate  
- **Manganese:** Total Phosphate  
- **Cadmium:** Copper  
- **Barium:** Total Alkalinity 431.0  
- **Beryllium:** Lead  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 64.0 (m)
- NPWL (m): 12.2
- Abandonment:
- Type: Steel
  - Depth (m): 48.2
  - Bottom (m): 48.2
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Driven
  - from (m): to 48.2

**Casing:**
- Type: Steel
  - Depth (m): 48.2
  - Bottom (m): 48.2
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Driven
  - from (m): to 48.2

**Liner:**
- Type: Driven
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated from (m): to
  - Size from (m): to
  - Size from (m): to

**Screen:**
- Material: Steel
  - OD (mm): Thickness (mm):
  - from (m): to
  - Size from (m): to
  - Size from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):
  - Rate (lpm): 11.4
  - Time (minute): 240.0
  - Level End (m): 54.9
  - Drawdown (m): 42.7
  - Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Electrical Log: No
- Gamma Log: No
- Aquifer Test: No
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.6</td>
<td>761.3</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>9.8</td>
<td>756.1</td>
<td>Clay Sandy Brown</td>
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<td>11.0</td>
<td>754.9</td>
<td>Gravel</td>
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<td>12.2</td>
<td>753.7</td>
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<td>24.4</td>
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<td>27.4</td>
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<td>29.0</td>
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<td>31.1</td>
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<td>32.3</td>
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<td>64.0</td>
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</tr>
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</table>

**Log:**
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 03014  
**Well Owner:** Saunda  
**Drilling Contractor:** Hokenson Ww Ltd  
**Elevation (AMSL) (m):** 766  
**AEP:** 261263  
**Licence No.:** Easting: 69,167.86  
**Date Started:** Northing: 5,942,394.50  
**Date Completed:** 01 Sep 71

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 50.3 (m)  
- **NPWL (m):** 32.0  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 48.5  
- **Bottom (m):** 48.5  
- **OD (mm):** 101.6  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **Bottom (m):** 49.7  
- **Size:** 0.02  
- **from (m):**  
- **Top (m):**  
- **Perforated How:**  
- **from (m):**  
- **Size:**  
- **from (m):**  
- **Size:**  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**
- **Rate (lpm):** 36.5  
- **Time (minute):** 300.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 4.6  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **Mercury:**  
- **Cond. (µS/cm):**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**SW 08-054-27 W4M**

**Well Owner:** Unknown Site 15  
**Drilling Contractor:** Unknown Driller

**Well Number 03015**

**Elevation (AMSL) (m):** 766  
**AEP:** 261258  
**Licence No.:**  
**Date Started:**  
**Date Completed:**

**Well Number:** 03015  
**Well Owner:** AEP  
**Elevation (AMSL) (m):** 766  
**AEP:** 261258  
**Licence No.:**  
**Date Started:**  
**Date Completed:**

### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Observation

**Completed Depth:** 3.1 (m)  
**NPWL (m):**  
**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):** from (m): to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

<table>
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<tr>
<th>Chemical Constituents</th>
<th>Unit</th>
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<tbody>
<tr>
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<td>Cond. (µS/cm)</td>
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</tr>
<tr>
<td>Chromium</td>
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<tr>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
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<td>Cobalt</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Copper</td>
<td></td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
<td></td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** Yes

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation
- **Completed Depth:** 3.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by PFRA in 10TM NAD 27**
<table>
<thead>
<tr>
<th>General:</th>
<th>Well Number 03017</th>
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<tbody>
<tr>
<td>Type of Work: <strong>Test Hole</strong></td>
<td>Elevation (AMSL) (m): 766</td>
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<tr>
<td>Drilling Method: <strong>Unknown</strong></td>
<td>AEP: 261248</td>
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<td>Well Use: <strong>Observation</strong></td>
<td>Licence No.:</td>
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<td>Completed Depth 2.1 (m)</td>
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<td>Abandonment:</td>
<td>Date Completed:</td>
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<table>
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<th>Depth Elevation</th>
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<td>Seal Type:</td>
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<td>from (m): to</td>
<td>1.5 764.4 <strong>Till Greenish Gray</strong></td>
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<td></td>
<td>1.8 764.0 <strong>Sand &amp; Gravel</strong></td>
</tr>
<tr>
<td></td>
<td>2.1 763.7 <strong>Silt Light Brown</strong></td>
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</table>

| Liner: | |
|---------| |
| Type: | |
| OD (mm): Thickness (mm): | |
| Top (m): Bottom (m): | |
| Perforated How: | |
| from (m): to | Size: |
| from (m): to | Size: |
| from (m): to | Size: |

| Screen: | |
|---------| |
| Material: | |
| OD (mm): | |
| from (m): to | Size: |
| from (m): to | Size: |

| Open Hole: | |
|------------| |
| from (m): | to |

| Pump: | |
|-------| |
| Model: | Intake (m): |
| | |
| Testing: | |
| Rate (lpm): | Time (minute): |
| Level End (m): Drawdown (m): | |
| Rec’d intake (m): Rec’d Rate (lpm): | |

| Laboratory: | |
|-------------| |
| pH (pH unit) | COD Mercury |
| Cond. (µS/cm) | SAR Nickel |
| TDS | TKN Selenium |
| Sodium | Nitrate Strontium |
| Potassium | Nitrite Molybdenum |
| Calcium | TN Vanadium |
| Magnesium | TC Zinc |
| Carbonate | DIC Hydroxide |
| Bicarbonate | Arsenic Total Hardness |
| Aluminium | Barium Manganese |
| Sulphate | Beryllium Phosphate |
| Chloride | Cadmium Ion Balance |
| Fluoride | Chromium Amm. Nitrogen |
| Iron | Cobalt Total Phosphate |
| TOC | Copper Total Alkalinity |
| Silica | Lead Nitrate&Nitrite N |

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<tr>
<th>Electric Log: No</th>
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<tr>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Unknown # Site 12
Drilling Contractor: Unknown Driller

SW 08-054-27 W4M

Well Number: 03018
Elevation (AMSL) (m): 766
AEP: 261251
Licence No.: Easting: 69,167.86
Date Started: Northing: 5,942,394.50
Date Completed: 

General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Observation
Completed Depth: 1.8 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
OD (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Top (m):
from (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27 printed on 2/20/98
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation
- **Completed Depth:** 1.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):**
- from (m): to Size:
- from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

<table>
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<tr>
<th>Chemical Constituents are in mg/l (ppm), Except as noted.</th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tr>
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## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
SW 08-054-27 W4M

Well Owner: Unknown
Drilling Contractor: Unknown Driller

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<tr>
<td>Type of Work: Test Hole</td>
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<tr>
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<td>Abandonment:</td>
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<tr>
<td>Seal Type:</td>
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<td>from (m): to</td>
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<tr>
<td>from (m): to Size:</td>
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<tr>
<td>Open Hole:</td>
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<td>from (m): to</td>
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<td>Bicarbonate: Arsenic</td>
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<td>(BGL) (AMSL)</td>
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<tr>
<td>(m) (m)</td>
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<tr>
<td>1.2 764.7 Till Greenish Gray</td>
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<tr>
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<tr>
<td>AEP Data: Yes</td>
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<tr>
<td>Well Field Verified: No</td>
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Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation
- **Completed Depth:** 3.1 (m)
  - NPWL (m): 3.1
  - Verified NPWL (m): 3.1
- **Abandonment:**
  - **Type:**
  - Depth (m): Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **DIC:** Hydroxide
- **Carbonate:** Calcium
- **Bicarbonate:** Magnesium
- **Aluminium:** Sulphate
- **Sulphate:** Chloride
- **Iron:** Fluoride
- **TOC:** Magnesium
- **Silica:** Bicarbonate

Chemical Constituents are in mg/l (ppm). Except as noted.

## Testing:
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Rec'd Rate (lpm):** m³/day
- **Rec'd intake (m):**
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: **Test Hole**
- Drilling Method: **Unknown**
- Well Use: **Observation**
- Completed Depth: 3.1 m
- NPWL (m): Verified NPWL (m): 766
- Abandonment:

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: 
- OD (mm): from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Iron Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate & Nitrite N
- Electric Log: No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**NE 09-054-27 W4M**

**Well Number:** 03023

**Well Owner:** Fappauf

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 715

**AEP:** 261305

**Date Started:** 19 May 66

**Date Completed:**

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<td>Thickness (mm):</td>
<td>from (m): to</td>
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<th>Open Hole:</th>
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<tr>
<td>Silica:</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Elevation
- **Completed Depth:** 42.7 m
- **NPWL (m):** 70.510.23
- **Verified NPWL (m):** 5,943,126.50

### Casing:
- **Type:** Unknown
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Laboratory:

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Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **AEP Data:** Yes

### Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Unknown

**Completed Depth:** 61.0 (m)
- **NPWL (m):**
- **Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
  - Top (m):
  - Bottom (m):

**Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 03342

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)
- NPWL (m): 66,149.91
- Veriﬁed NPWL (m):
- Abandonment:

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:** 28 Nov 84
- **pH (pH unit):** 7.30
- **Cond. (µS/cm):** 1212
- **TDS:** 754.0
- **Sodium:** 299.92
- **Potassium:** 0.78
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:** 602.17
- **Aluminium:**
- **Barium:**
- ** Sulphate:** 154.18
- **Chloride:**
- **Fluoride:** 0.06
- **Iron:** 0.05
- **TOC:**
- **Silica:** 19.40

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) (m) (m)**

| Lithologic Description | (No Lithologic Information Available) |

**Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
Well Number: 03343
Well Owner: Jesse, William & Clair
Drilling Contractor: Unknown Driller
Elevation (AMSL) (m): 794
AEP: 156835
Licence No.: Easting: 66,632.90
Date Started: Northing: 5,940,859.00
Date Completed:

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Selenium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Bicarbonate:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Bicarbonate:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 74.4 m
  - NPWL (m): 67.082
  - Verified NPWL (m): 67.082
- **Abandonment:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 50.3
  - **Bottom (m):** 50.3
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** 50.3
  - **to:** 50.3

## Liner:
- **Type:** Galvanized Steel
  - **Top (m):** 73.5
  - **Bottom (m):** 73.5

## Perforated How:
- **Type:** Torch
  - **from (m):** 50.3
  - **to:** 73.5
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**

## Screen:
- **Material:**
  - **OD (mm):** 88.9
  - **Thickness (mm):** 0.0
  - **Number:** 1

## Open Hole:
- **from (m):**
- **to:**

## Pump:
- **Model:**
- **Intake (m):** 44.2
- **Rate (lpm):** 6.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Nitrate:**
- **Nitrite:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Total Alkalinity:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

## Electric Log: No
- **Transmissivity:** m²/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Depth Elevation (BGL) (AMSL) Lithologic Description

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<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<tr>
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<td>781.1</td>
<td>Clay Yellow</td>
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<tr>
<td>12.2</td>
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<tr>
<td>21.3</td>
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<td>56.1</td>
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<td>71.6</td>
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<td>73.2</td>
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<tr>
<td>74.4</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### NE 01-054-28 W4M

**Well Owner:** Carol Lee Homes Ltd  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.  
**Licence No.:** Easting: 67,122.98  
**Elevation (AMSL) (m):** 793  
**Date Started:** 28 Aug 78  
**Date Completed:** 05 Sep 78  
**Elevation (BGL) (m):** 05 Sep 78  
**Well Number:** 03345

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 83.5 (m)  
**NPWL (m):** 30.5  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Steel  
- **Depth (m):** 46.3  
- **Bottom (m):** 46.3  
- **OD (mm):** 141.2  
- **Thickness (mm):**
  - **Seal Type:** Driven  
  - **from (m):** to 46.3

**Liner:**
- **Type:** Driven  
- **OD (mm):** 141.3  
- **Thickness (mm):** 0.0  
- **Top (m):** 82.6  
- **Bottom (m):**

**Perforated How:**
- **from (m):** to 82.6  
- **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 16.0  
- **Time (minute):** 420.0  
- **Level End (m):** 50.3  
- **Drawdown (m):** 19.8  
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Barium:**
- **Molybdenum:**
- **Cadmium:**
- **Arsenic:**
- **Strontium:**
- **Selenium:**
- **Nitrate:**
- **Sodium:**
- **Potassium:**
- **Barium:**
- **Manganese:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrite & Nitrate N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

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<th>(m)</th>
<th>(m)</th>
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<tr>
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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
Well Owner: Clement, J.

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 03346

Elevation (AMSL) (m): 794
AEP: 262840
Licence No.: Easting: 66,836.70
Date Started: 13 Aug 75
Northing: 5,941,660.00
Date Completed: 14 Aug 75

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 54.9 m
- NPWL (m): 15.2
- Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 51.2
- Bottom (m): 51.2
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Loose
- from (m): to 51.2

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Screen:
- Material: ST
- OD (mm): 0.9
- from (m): to 51.2
- to 52.4
- Size: 0.01

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 9.1
- Time (minute): 420.0
- Level End (m): 56.7
- Drawdown (m): 30.5
- Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Nitrogen: Molybdenum
- Calcium: TN
- Magnesium: Vanadium
- Carbonate: TC
- Bicarbonate: Zinc
- Aluminium: Hydioxide
- Arsenic: Total Hardness
- Barium: Manganese
- Nitrate: Beryllium
- Copper: Phosphorus
- Chloride: Cadmium
- Molybdenum: Ion Balance
- Fluoride: Chromium
- Ammonium: Nitrogen
- Iron: Cobalt
- Total Phosphate: Total Alkalinity
- TOC: Copper
- Silica: Lead
- TOC: Nitrate
- TOC: Nitrite N

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project:
Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Well Number:** 03347

**Well Owner:** Furler, Ron

**Drilling Contractor:** Hokenson Ww Ltd

**Elevation (AMSL) (m):** 797

**AEP:** 264276

**Date Started:** 01 Jun 77

**Date Completed:** 01 Jun 77

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<th>Screen Material</th>
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**Lithologic Description:** Sand & Gravel Clayey

**Laboratory Data:**

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**Remarks:**

Chemical Constituents are in mg/l (ppm), except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### NE 01-054-28 W4M

**Well Owner:** Furler, Ron  
**Drilling Contractor:** Midwest Water Well Ltd.  
**Elevation (AMSL) (m):** 798  
**AEP:** 238760  
**Licence No.:** 066.581.87  
**Date Started:** 23 Oct 93  
**Date Completed:** 23 Oct 93

#### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 41.2 (m)  
- **NPWL (m):** 18.3  
- **Abandonment:**
- **Type:** Plastic  
- **Depth (m):** 36.0  
- **Bottom (m):** 36.0  
- **OD (mm):** 125.5  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Table  
- **from (m):** 21.3  
- **to:** 22.9

#### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Perforated How:**  
- **from (m):**  
- **to:**  
- **Size:**

#### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 36.0  
- **to:** 37.5  
- **Size:** 0.01

#### Open Hole:
- **from (m):**  
- **to:**

#### Pump:
- **Model:**  
- **Intake (m):** 36.0

#### Testing:
- **Rate (lpm):**  
- **Time (minute):** 240.0  
- **Level End (m):** 35.7  
- **Drawdown (m):** 17.4  
- **Rec'd intake (m):** 35.7  
- **Rec'd Rate (lpm):** 9.1

#### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Strontium  
- **Potassium:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **Carbone:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Aluminum:** Manganese  
- **Sulphate:** Phosphate  
- **Chloride:** Ion Balance  
- **Flouride:** Amm. Nitrogen  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Open Hole:** Nitrate&Nitrite N  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

#### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** S/ority:

#### Aquifer Test:
- **No**

#### Project:
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):** 39.3
- **Verified NPWL (m):**
- **Abandonment:** Bentone Product 08 Jun 95

### Casings:
- **Type:** Plastic
- **Depth (m):** 44.8
- **OD (mm):** 152.4
- **Thickmess (mm):** 0.1
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickmess (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 44.2

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 44.2
- **Drawdown (m):** 4.9
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):** 22.8

### Laboratory:

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<td>Copper</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 m
- **NPWL (m):** 20.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 37.5
- **Bottom (m):** 37.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Unknown
- **from (m):** to 29.0

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 37.5 to 38.7 **Size:** 0.01
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 41.2

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 420.0
- **Level End (m):** 38.7
- **Drawdown (m):** 18.0
- **Rec'd intake (m):** 36.6
- **Rec'd Rate (lpm):**

### Laboratory:
**pH (pH unit):** 7.30
**Cond. (µS/cm):** 890.0
**TDS:** 527.0
**SAR:**
**Sodium:** 14.95
**Nitrate:**
**Potassium:** 3.52
**Molybdenum:**
**Calcium:** 132.06
**Vanadium:**
**Magnesium:** 39.03
**Zinc:**
**Carbonate:**
**DIC:**
**Bicarbonate:** 521.03
**Arsenic:**
**Barium:**
**Manganese:**
**Sulphate:** 80.21
**Beryllium:**
**Phosphate:**
**Chloride:** 2.13
**Cadmium:**
**Ion Balance:** 1.03
**Fluoride:** 0.14
**Chromium:**
**Amm. Nitrogen:**
**Iron:** 0.29
**Cobalt:**
**Total Phosphate:**
**TOC:**
**Copper:**
**Total Alkalinity:** 427.0
**Silica:** 16.80
**Lead:**
**Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 97.5 (m)
- NPWL (m): 44.2
- Abandonment:

**Casing:**
- Type: Steel
- Depth (m): 65.5
- OD (mm): 141.2
- Seal Type: Driven
- from (m): to 65.5

**Liner:**
- Type: Driven
- OD (mm): 114.3
- Top (m): 64.3
- Bottom (m): 97.5

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Sub
- Model:
- Intake (m): 79.2
- Testing:
  - Rate (lpm): 11.4
  - Time (minute): 180.0
  - Level End (m): 76.2
  - Drawdown (m): 32.0
  - Rec'd intake (m): 81.7
  - Rec'd Rate (lpm): 13.7

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): Mercury
- TDS: Nickel
- Sodium: Selenium
- Nitrate: Strontium
- Nitrite: Molybdenum
- Potassium: Vanadium
- Calcium: Zinc
- Magnesium: Hydroxide
- Carbonate: Arsenic
- Bicarbonate: Total Hardness
- Aluminium: Manganese
- Sulphate: Beryllium
- Chloride: Phosphorus
- Fluoride: Cadmium
- Iron: Ion Balance
- TOC: Amm. Nitrogen
- TOC: Total Phosphate
- TOC: Total Alkalinity
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<th>(AMSL) (m)</th>
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<td>790.9</td>
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<td>11.6</td>
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<td>97.5</td>
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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Database:** 1.000H  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 03353**

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<td><strong>Well Owner:</strong> Hahn, Rudy</td>
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<td><strong>Drilling Contractor:</strong> McGinn, Gerald Drilling Ltd.</td>
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<td><strong>Easting:</strong> 66,551.98</td>
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<tr>
<td><strong>Northing:</strong> 5,941,171.00</td>
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<td><strong>Date Completed:</strong> 05 May 87</td>
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<td><strong>Depth (m):</strong> 73.8</td>
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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
</tr>
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| **Chemical Constituents are in mg/l (ppm). Except as noted.** |

| **Electric Log:** No |
| **Transmissivity:** m³/day |
| **Gamma Log:** No |
| **Storativity:** |
| **Aquifer Test:** No |
| **Project:** Database: 1.000H |
| **AEP Data:** Yes |
| **Well Field Verified:** No |

printed on 2/20/98
## NE 01-054-28 W4M

**Well Owner:** Hudson, Lawrence  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.  
**Elevation (AMSL) (m):** 799  
**Licence No.:** 262872  
**Date Started:** 27 Nov 89  
**Date Completed:** 29 Nov 89

| **Well Number:** | 03354 | **AEP:** | 66,386.82  
| **Easting:** | **5,941,396.00** | **Northing:** | **20142-28 W4M** |

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 96.0 (m)  
- **NPWL (m):** 54.9  
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Steel  
- **Depth (m):** 76.8  
- **Bottom (m):** 76.8  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1

### Lithologic Description
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<th><strong>Elevation (BGL) (m):</strong></th>
<th><strong>Lithologic Description:</strong></th>
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<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>96.0</td>
<td>702.6</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

### Electric Log:
- **No**  
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity  
- **Aquifer Test:** No  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

```
Water Well Positioned by PFRA in 10TM NAD 27
```
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPWL (m)</td>
<td></td>
</tr>
<tr>
<td>Verified NPWL (m):</td>
<td></td>
</tr>
</tbody>
</table>
- **Abandonment:**

<table>
<thead>
<tr>
<th>Type: Depth (m):</th>
<th>Bottom (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Seal Type: from (m): to</td>
<td></td>
</tr>
</tbody>
</table>

### Casing:
- **Type: Depth (m):** Bottom (m):
- **OD (mm): Thickness (mm):**
- **Seal Type: from (m): to**

### Liner:
- **Type: OD (mm): Thickness (mm):**
- **Top (m): Bottom (m):**
- **Perforated How: from (m): to**

### Screen:
- **Material: OD (mm):**
- **from (m): to**

### Open Hole:
- **from (m): to**

### Pump:
- **Model: Intake (m):**

### Testing:
- **Rate (lpm): Time (minute):**
- **Level End (m): Drawdown (m):**
- **Rec’d intake (m): Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log: Transmissivity: m³/day
- **Gamma Log: Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data: Yes** Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Unknown

**Completed Depth (m):**
- **NPWL (m):**
- **Verifed NPWL (m):**

**Abandonment:** Bentonite Product 11 Oct 95

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD  Mercury
- **Cond. (µS/cm):** SAR  Nickel
- **TDS:** TKN  Selenium
- **Sodium:** Nitrate  Strontium
- **Potassium:** Nitrite  Molybdenum
- **Calcium:** TN  Vanadium
- **Magnesium:** TC  Zinc
- **Carbonate:** DIC  Hydroxide
- **Bicarbonate:** Arsenic  Total Hardness
- **Aluminum:** Barium  Manganese
- **Sulphate:** Beryllium  Phosphate
- **Chloride:** Cadmium  Ion Balance
- **Fluoride:** Chromium  Amm. Nitrogen
- **Iron:** Cobalt  Total Phosphate
- **TOC:** Copper  Total Alkalinity
- **Silica:** Lead  Nitrate&Nitrite  

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Sr: Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes  Well Field Verified: No

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Owner:** Klyne, Albert

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 799

**Licence No.:** 266849

**Easting:** 66,928.27

**Date Started:**

**Northing:** 5,941,263.06

**Date Completed:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 01-054-28 W4M**

Well Owner: **Klyne, Albert**

Drilling Contractor: **D&D Water Well Drilling & Services**

Elevation (AMSL) (m): **794**  
AEP: **266850**

Licence No.:  
Easting: **67,058.49**  
Date Started: **11 Oct 95**

Northing: **5,941,215.00**  
Date Completed: **11 Oct 95**

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 (m)  
  NPWL (m): 30.2  
  Verified NPWL (m):  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
  Depth (m): 36.6  
  Bottom (m): 36.6  
  OD (mm): 152.4  
  Thickness (mm): 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
  from (m):  
  to 29.0

**Liner:**
- **Type:**  
  OD (mm):  
  Thickness (mm):  
  Top (m):  
  Bottom (m):  
- **Perforated How:**  
  from (m): to  
  Size:  
  from (m): to  
  Size:  
  from (m): to  
  Size:  

**Screen:**
- **Material:** St  
  OD (mm): 15  
  from (m): 36.6 to 38.1  
  Size: 0.01  
  from (m):  
  to  
  Size:  

**Open Hole:**  
from (m): to

**Pump:**
- **Model:**  
  Intake (m): 38.1

**Testing:**
- **Rate (lpm):** 45.6  
  Time (minute): 120.0  
- **Level End (m):** 32.0  
  Drawdown (m): 1.8  
- **Rec'd intake (m):** 35.0  
  Rec'd Rate (lpm): 22.8

---

**Laboratory:**
- **pH (pH unit):**  
  **COD:** Mercury
- **Cond. (µS/cm):**  
  **SAR:** Nickel
- **TDS:**  
  **TKN:** Selenium
- **Sodium:**  
  **Nitrate:** Strontium
- **Potassium:**  
  **Nitrite:** Molybdenum
- **Calcium:**  
  **TN:** Vanadium
- **Magnesium:**  
  **TC:** Zinc
- **Carbonate:**  
  **DIC:** Hydroxide
- **Bicarbonate:**  
  **Arsenic:** Total Hardness
- **Aluminum:**  
  **Barium:** Manganese
- **Sulphate:**  
  **Beryllium:** Phosphate
- **Chloride:**  
  **Cadmium:** Ion Balance
- **Fluoride:**  
  **Chromium:** Amm. Nitrogen
- **Iron:**  
  **Cobalt:** Total Phosphate
- **TOC:**  
  **Copper:** Total Alkalinity
- **Silica:**  
  **Lead:** Nitrate&Nitrite N
  
  **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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<tbody>
<tr>
<td>4.9</td>
<td>789.0 Clay Sandy Yellow</td>
</tr>
<tr>
<td>16.1</td>
<td>777.7 Clay Sandy Blue</td>
</tr>
<tr>
<td>22.6</td>
<td>771.3 Sand Yellow</td>
</tr>
<tr>
<td>29.0</td>
<td>764.9 Clay Blue</td>
</tr>
<tr>
<td>31.1</td>
<td>762.8 Sand</td>
</tr>
<tr>
<td>33.2</td>
<td>760.7 Clay Blue</td>
</tr>
<tr>
<td>38.4</td>
<td>755.5 Sand</td>
</tr>
<tr>
<td>39.6</td>
<td>754.3 Clay Yellow</td>
</tr>
</tbody>
</table>

**Lithologic Description:**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Lithology</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.9</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>9.6</td>
<td>Clay Sandy Blue</td>
</tr>
<tr>
<td>22.6</td>
<td>Sand</td>
</tr>
<tr>
<td>29.0</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>31.1</td>
<td>Sand</td>
</tr>
<tr>
<td>33.2</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>38.4</td>
<td>Sand</td>
</tr>
<tr>
<td>39.6</td>
<td>Clay Yellow</td>
</tr>
</tbody>
</table>

**Transmissivity:** m³/day  
**Storativity:**

**Aquifer Test:** No

**Project:** Database: **1.000H**

**AEP Data:** Yes  
**Well Field Verified:** No

**Database:** Project: **1.000H**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 20/98
NE 01-054-28 W4M

Well Number: 03358

Well Owner: Korbisser, Rudy
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 795
Licence No.: 262822
Date Started: 29 Jan 76

Easting: 66,953.10
North: 5,941,616.00
Date Completed: 04 Feb 76

Well Use: Domestic
Type of Work: New Well
Drilling Method: Rotary

Completed Depth: 74.4 (m)
NPWL (m): N/A
Verified NPWL (m): N/A
Abandonment: N/A

Casing:
Type: Galvanized Steel
Depth (m): 50.3
Bottom (m): 50.3
OD (mm): 114.3
Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): 50.3
to 70.3

Liner:
Type: N/A
OD (mm): 88.9
Thickness (mm): 0.0
Top (m): N/A
Bottom (m): 73.5
Perforated How: Torch
from (m): 50.3
to 73.5
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material: N/A
OD (mm): N/A
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump:
Model: N/A
Intake (m): 41.2

Testing:
Rate (lpm): 11.4
Time (minute): 420.0
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory: 28 Jul 76

<table>
<thead>
<tr>
<th>pH</th>
<th>μS/cm</th>
<th>TDS</th>
<th>Sodium</th>
<th>Potassium</th>
<th>Calcium</th>
<th>Magnesium</th>
<th>Carbonate</th>
<th>Bicarbonate</th>
<th>Al</th>
<th>Sulphate</th>
<th>Chloride</th>
<th>Fluoride</th>
<th>Iron</th>
<th>TOC</th>
<th>Silica</th>
<th>Electric Log</th>
<th>Gamma Log</th>
<th>Aquifer Test</th>
<th>Project</th>
<th>AEP Data</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.40</td>
<td>650.0</td>
<td>622.0</td>
<td>17.94</td>
<td>13.69</td>
<td>156.91</td>
<td>39.03</td>
<td>566.17</td>
<td>566.17</td>
<td>5.1</td>
<td>102.78</td>
<td>12.05</td>
<td>0.17</td>
<td>0.30</td>
<td>0.17</td>
<td>12.05</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>1.000H</td>
<td>Yes</td>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
</tr>
<tr>
<td>COD</td>
<td>SAR</td>
<td>TKN</td>
<td>Nitrate</td>
<td>Nitrite</td>
<td>TN</td>
<td>TC</td>
<td>DIC</td>
<td>Arsenic</td>
<td>Barium</td>
<td>Beryllium</td>
<td>Cadmium</td>
<td>Chromium</td>
<td>Cobalt</td>
<td>Copper</td>
<td>Lead</td>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>33.5</td>
<td>761.9</td>
<td>760.1</td>
<td>Sand</td>
<td>Clay Blue</td>
<td>758.9</td>
<td>753.4</td>
<td>752.8</td>
<td>Clay Yellow</td>
<td>746.7</td>
<td>751.4</td>
<td>750.1</td>
<td>746.7</td>
<td>744.2</td>
<td>740.6</td>
<td>739.1</td>
<td></td>
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<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-054-28 W4M**

<table>
<thead>
<tr>
<th>Well Number: 03359</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Owner: Mooney, Micheal</td>
</tr>
<tr>
<td>Drilling Contractor: Mcginn, Gerald Drilling Ltd.</td>
</tr>
<tr>
<td>Elevation (AMSL) (m): 793</td>
</tr>
<tr>
<td>Licence No.: 282094</td>
</tr>
<tr>
<td>Date Started: 66,871.30</td>
</tr>
<tr>
<td>Date Completed: 5,941,503.00</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 74.4 (m)  
  **NPWL (m):** 50.3
- **Abandonment:**
- **Casing:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 58.2  
    **Bottom (m):** 58.2
  - **OD (mm):** 114.3  
    **Thickness (mm):** 0.1
  - **Seal Type:**
    - from (m): to
- **Liner:**
  - **Type:**
    - from (m): to
  - **OD (mm):** 79.3  
    **Thickness (mm):** 0.0
  - **Top (m):**
    - **Bottom (m):** 73.2
- **Perforated How:** Unknown
  - **from (m):** 57.9  
    **to:** 74.4
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Open Hole:**
  - **from (m):**

### Pump:
- **Model:** Mc Dougall
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 9.1
  - **Time (minute):** 630.0
  - **Level End (m):**
  - **Drawdown (m):** 19.2
  - **Rec'd Rate (lpm):** 53.0
  - **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

### Electric Log:
- **m²/day:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 30.5 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 25.3
- **Bottom (m):** 25.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 25.3 to 26.8
- **Size:** 0.01
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:** Berkeley

- **Model:** 13 Stage
- **Intake (m):** 25.0

**Testing:**

- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 25.3
- **Drawdown (m):** 4.0
- **Rec'd Rate (lpm):** 13.7
- **Rec'd intake (m):**

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Arsenic:**
- **Beryllium:**
- **Barium:**
- **Beryllium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Chloride:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 03360

**Well Owner:** Nybakken, Ralph

**Drilling Contractor:** Westar Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 798

**AEP:** 158540

**Licence No.:** Easting: 66,460.75

**Date Started:** 24 Jul 89

**Northing:** 5,941,701.00

**Date Completed:** 25 Jul 89

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.6</td>
<td>776.7</td>
</tr>
<tr>
<td>26.8</td>
<td>771.5</td>
</tr>
<tr>
<td>30.5</td>
<td>767.9</td>
</tr>
</tbody>
</table>

**Lithologic Description**

- Clay
- Sand
- Shale

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
NE 01-054-28 W4M

Well Number: 03361
Well Owner: Panker, John
Drilling Contractor: Grove Drilling Ltd

Elevation (AMSL) (m): 793
AEP: 262843
Licence No.: Easting: 66,871.30
Date Started: 01 Mar 78
Northing: 5,941,503.00
Date Completed: 01 Mar 78

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

Completed Depth: 40.5 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 28.0
- Bottom (m): 28.0
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Unknown
- from (m): to

Liner:
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to
- Thickness: Size:
- from (m): to
- Thickness: Size:
- from (m): to
- Thickness: Size:

Screen:
- Material: St
- OD (mm): 1.2
- from (m): 28.0
- to 29.3
- Size:
- 0.01

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 28.0

Testing:
- Rate (lpm): 13.7
- Time (minute): 480.0
- Level End (m):
- Drawdown (m):
- Rec’d intake (m): 27.7
- Rec’d Rate (lpm):

Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphorus
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

 printed on 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 47.2 m
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 44.2
- **Bottom (m):** 44.2
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite chips/Tabi
- **from (m):** 30.5
- **to:** 32.0

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

## Screen:
- **Material:** PI
- **OD (mm):** 1.4
- **from (m):** 32.0
- **to:** 44.2
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

## Open Hole:
- **from (m):**
- **to:**

## Pump:
- **Model:**
- **Intake (m):** 42.7

## Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):** 19.8
- **Rec'd intake (m):** 39.6
- **Rec'd Rate (lpm):** 31.9

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sodium:**
- **Nitrate:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 03362

**Elevation (AMSL) (m):** 793

**AEP:** 169283

**Drilling Contractor:** Summers, David Drilling

**Date Started:** 11 Sep 92

**Date Completed:** 12 Sep 92

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Well Owner:** Q.M.S.

**Easting:** 66,871.30

**Northing:** 5,941,503.00

**Printed on:** 2/20/98
NE 01-054-28 W4M

Well Owner: Sabourin, Roger
Drilling Contractor: Unknown Driller

Well Number: 03363

Elevation (AMSL) (m): 793
AEP: 262862
Licence No.: Easting: 66,871.30
Date Started: Northing: 5,941,503.00
Date Completed:

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<td>from (m): to</td>
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<tr>
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<td>Silica: 0.09</td>
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<tr>
<td>Laboratory: 04 May 83</td>
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<td>pH (pH unit): 7.70</td>
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<td>Silica: 0.09</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: |
| Database: 1.000 H |
| AEP Data: Yes |
| Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27
NE 01-054-28 W4M

Well Number: 03364

Well Owner: Schwanbeck, Dar
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 798
Licence No.: Elevation: 66,613.33
Date Started: 31 Aug 76 Northing: 5,941,355.00
Date Completed: 01 Sep 76

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

Completed Depth: 78.9 (m)
NPWL (m): 66,613.33
Verified NPWL: 66,613.33
Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 59.4
- Bottom (m): 59.4
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Formation Seal
- from (m): to 59.4

Liner:
- Type: Galvanized Steel
- OD (mm): 88.9
- Thickness (mm): 0.0
- Top (m): Bottom (m): 78.0
- Perforated How: Torch
- from (m): 59.4 to 78.0
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m): 51.8

Testing:
- Rate (lpm): 9.1
- Time (minute): 420.0
- Level End (m): Drawdown (m):
- Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:

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<td>Lead</td>
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<td>Chemical Constituents are in mg/l (ppm) Except as noted.</td>
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Electric Log: No  Transmissivity: m³/day
Gamma Log: No  Storativity:
Aquifer Test: No  Project: Database: 1.000H
AEP Data: Yes  Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NE 01-054-28 W4M**

**Well Number:** 03365

**Well Owner:** Schwanbeck, Darby

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 790  
**AEP:** 262832  
**Licence No.:** Easting: 67,077.37  
**Date Started:** 10 Jul 75  
**Northing:** 5,941,627.00  
**Date Completed:** 14 Jul 75

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<td><strong>Drilling Method:</strong> Rotary</td>
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<td><strong>Well Use:</strong> Domestic</td>
<td>28.0 762.2 Clay &amp; Boulders Water Bearing</td>
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<td>Completed Depth 74.4</td>
<td>35.4 754.9 Sand &amp; Sandstone</td>
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<td>NPWL (m):</td>
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<td>41.8 748.5 Gravel</td>
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<td>48.2 742.1 Clay Yellow</td>
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<td></td>
<td>50.9 739.4 Shale Green</td>
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<td>58.5 731.7 Shale Hard</td>
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<td><strong>from (m): to 73.5</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on 2/20/98
Well Owner: **Subourin, R.**

Drilling Contractor: **Cobob Pumps And Services Ltd.**

**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: **76.2** (m)
- NPWL (m): **17.1**
- Abandonment:

**Casing:**
- Type: **Steel**
- Depth (m): **44.5**
- Bottom (m): **44.5**
- OD (mm): **139.7**
- Thickness (mm): **0.1**
- Seal Type: **Drilled**
- from (m): **to 43.9**

**Liner:**
- Type: **Driven**
- OD (mm): **114.3**
- Thickness (mm):
- Top (m): **39.6**
- Bottom (m): **76.2**
- Perforated How: **Unknown**
- from (m): **to 76.2**
- Size:
- from (m): **to**
- Size:
- from (m): **to**
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m): **to**
- Size:
- from (m): **to**
- Size:

**Open Hole:**
- from (m): **to**

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): **36.5**
- Time (minute): **180.0**
- Level End (m): **Drawdown (m):**
- Rec’d intake (m): **Rec’d Rate (lpm):**

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- COD:
- SAR:
- TKN:
- Nitrate:
- Nitrite:
- Beryllium:
- Barium:
- Molybdenum:
- Copper:
- Lead:
- Iron:
- Cobalt:
- Manganese:
- Zinc:
- Total Hardness:
- Amm. Nitrogen:
- Total Phosphate:
- Total Alkalinity:
- Nitrate:
- Nitrite:
- Molybdenum:
- Potassium:
- Vanadium:
- Zinc:
- Hydroxide:
- Ion Balance:
- Ammonium:
- Nitrate:
- Phosphate:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL):**
- Lithologic Description
  - (m) (m)
  - **13.1** **776.9** Clay & Gravel Sandy Brown
  - **22.9** **767.1** Sand
  - **30.8** **759.2** Clay Brownish Gray
  - **32.0** **758.0** Gravel
  - **32.9** **757.1** Clay Gray
  - **41.8** **748.2** Gravel
  - **43.3** **746.7** Clay Gray
  - **48.5** **741.5** Shale Gray
  - **52.4** **737.6** Sandstone
  - **53.3** **736.6** Shale Green
  - **60.7** **729.3** Sandstone
  - **61.6** **728.4** Shale Fractured Green
  - **67.4** **722.6** Sandstone
  - **68.6** **721.4** Shale Gray
  - **70.7** **719.3** Sandstone
  - **72.2** **717.7** Shale Gray
  - **75.0** **715.0** Shale Fractured Green
  - **75.9** **714.1** Sandstone
  - **76.2** **713.8** Shale Gray

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 03366**

- Elevation (AMSL) (m): **790**
- AEP: **262870**
- Licence No.: **67,085.23**
- Date Started: **10 Sep 89**
- Northing: **5,941,627.00**
- Date Completed: **15 Sep 89**

- Project: **Database: 1.000H**
- Electric Log: **No**
- Gamma Log: **No**
- Aquifer Test: **No**
- Transmissivity: **m³/day**
- Storativity:
- TOC: **Copper**
- Total Alkalinity:
- Iron: **Cobalt**
- Total Phosphate:
- TOC: **Copper**
- Total Alkalinity:
- Silica: **Lead**
- Nitrate & Nitrite N

- Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 94.5 m
- **NPWL (m):** 39.6 m
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 51.8
- **Bottom (m):** 51.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 51.8

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 51.8
- **Bottom (m):** 94.5
- **Perforated How:** Torch
- **from (m):** to 94.5
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** Drawdown (m): 6.1
- **Rec’d intake (m):** Rec’d Rate (lpm):

## Laboratory:
- **07 Feb 85**
- **pH (pH unit):** 8.00
- **Cond. (µS/cm):** 924.0
- **TDS:** 544.0
- **Sodium:** 20.93
- **Potassium:** 2.35
- **Calcium:** 132.06
- **Magnesium:** 40.01
- **Barium:** 19.70
- **Carbonate:**
- **Bicarbonate:** 538.72
- **Aluminium:**
- **Sulphate:** 82.13
- **Chloride:**
- **Fluoride:** 0.11
- **Iron:** 4.24
- **TOC:**
- **Silica:** 19.70
- **COD:**
- **SAR:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Selenium:**
- **Nitrate:**
- **Manganese:**
- **Calcium:**
- **Iron:**
- **Zinc:**
- **Barium:**
- **Manganese:**
- **Carbonate:**
- **Bicarbonate:**
- **Nitrate:**
- **Iron:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cadium:**
- **Selenium:**
- **Ion Balance:**
- **Iron:**
- **Manganese:**
- **Calcium:**
- **Water:**
- **Nitrates:**
- **Nitrites:**

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:** Yes
- **Database:** 1.000H

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Turchinetz, R.
Drilling Contractor: Hokenson Ww Ltd

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 37.2 (m)
NPWL (m): 29.0
Abandonment:

Casing:
Type: Galvanized Steel
Depth: 35.0 (m)
OD (mm): 114.3
Thickness: 0.0 (mm)
Seal Type: Cement/Grout

Liner:
OD (mm): 35.0
Top (m): 0.9
Perforated How: 0.02

Screen:
Material: St
OD (mm): 35.0
Top (m): 36.3
Size: 0.02

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 16.0
Time (minute): 1440.0
Level End (m): 34.1
Rec'd Rate (lpm): 34.1
Rec'd intake (m):

Laboratory:
19 May 77
pH (pH unit): 7.50
Cond. (µS/cm): 820.0
TDS: 494.0
Sodium: 25.99
Potassium: 3.52
Calcium: 122.04
Magnesium: 31.01
Carbonate: DIC: 521.03
Bicarbonate: 820.0
Aluminium: 55.23
Chloride: 31.01
Fluoride: 0.26
Iron: 0.23
TOC: 20.80
Silica: 20.80

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 03369

Well Owner: Turnbull, Trevor
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 796
AEP: 262858
Licence No.: Easting: 66,691.98
Date Started: 08 Mar 83 Northing: 5,941,374.00
Date Completed: 15 Mar 83

**Depth**

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<td>22.9</td>
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<td>29.9</td>
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<td>86.9</td>
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<td>89.9</td>
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<td>96.9</td>
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<td>Shale &amp; Coal Brown</td>
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<td>97.8</td>
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<tr>
<td>106.4</td>
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**Laboratory:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

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<td>TDS</td>
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<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
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<td>Potassium</td>
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<td>Molybdenum</td>
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<tr>
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<td>Zinc</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
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<td>Aluminium</td>
<td>8.50</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
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<td>Phosphate</td>
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<td>90.20</td>
<td>Cadmium</td>
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<td>Silicon</td>
<td>12.20</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 32.0 m (m)
- **NPWL (m):** 20.7 m
- **Abandonment:**
- **Type:** Galvanized Steel
- **Depth (m):** 29.6 m
- **OD (mm):** 114.3 m
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**
- **Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 29.6 m
- **to:** 30.8 m
- **Size:** 0.01 m
- **Open Hole:**
- **from (m):**
- **to:**
- **Pump:**
- **Model:**
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 27.4 lpm
  - **Time (minute):** 120.0 min
  - **Level End (m):** 27.4 m
  - **Drawdown (m):** 6.7 m
  - **Rec'd intake (m):** 29.0 m
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** 1.000 m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**NH 01-054-28 W4M**

**Well Owner:** Carol Lee Homes Ltd  
Drilling Contractor: McGinn, Gerald Drilling Ltd.

<table>
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<th>798</th>
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<tr>
<td>Date Started:</td>
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<td>Date Completed:</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Unknown  
- **Well Use:** Industrial  
- **Completed Depth:** 97.2 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  
- **Casing:**  
  - **Type:** Steel  
  - **Depth (m):** 85.3  
  - **Bottom (m):** 85.3  
  - **OD (mm):** 141.2  
  - **Thickness (mm):** 1.000H  
  - **Seal Type:** Driven  
  - **from (m):** to 85.3  
- **Liner:**  
  - **Type:**  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.0  
  - **Top (m):** Bottom (m): 96.3  
  - **Perforated How:** Torch  
  - **from (m):** to 96.3  
  - **Size:**  
  - **from (m):** to Size:  
  - **from (m):** to Size:  
- **Screen:**  
  - **Material:**  
  - **OD (mm):**  
    - **from (m):** to Size:  
    - **from (m):** to Size:  
- **Open Hole:**  
  - **from (m):** to  
- **Pump:**  
  - **Model:**  
  - **Intake (m):** 51.8  
- **Testing:**  
  - **Rate (lpm):** 31.9  
  - **Time (minute):** 420.0  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<td>Clay Yellow</td>
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<td>Clay &amp; Rocks Yellow</td>
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<td>46.6</td>
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<tr>
<td>97.2</td>
<td>700.5</td>
<td>Shale Dark Gray</td>
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**Laboratory:**
- **pH (pH unit):** COD Mercury  
  - **Cond. (µS/cm):** SAR Nickel  
  - **TDS:** TKN Selenium  
  - **Sodium:** Nitrate Strontium  
  - **Potassium:** Nitrite Molybdenum  
  - **Calcium:** TN Vanadium  
  - **Magnesium:** TC Zinc  
  - **Carbonate:** DIC Hydroxide  
  - **Bicarbonate:** Arsenic Total Hardness  
  - **Aluminium:** Barium Manganese  
  - **Sulphate:** Beryllium Phosphate  
  - **Chloride:** Cadmium Ion Balance  
  - **Fluoride:** Chromium Amm. Nitrogen  
  - **Iron:** Cobalt Total Phosphate  
  - **TOC:** Copper Total Alkalinity  
  - **Silica:** Lead Nitrate&Nitrite N  
  - **Electric Log:** No  
  - **Transmissivity:** m³/day  
  - **Gamma Log:** No  
  - **Storativity:**  
  - **Aquifer Test:** No  
  - **Project:** Database: 1.000H  
  - **AEP Data:** Yes Well Field Verified: No  

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27  
- Chemical Constituents are in mg/l (ppm). Except as noted.
**NH 01-054-28 W4M**

**Well Number: 03372**

**Well Owner:** Cartmell, Nick  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m): 797**  
**AEP: 262810**  
**Date Started:**  
**Date Completed:**  
**Easting:** 66584.18  
**Northing:** 5941482.00  
**Licence No.:**

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<td><strong>(m)</strong></td>
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<td><strong>(AMSL)</strong></td>
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<th>Abandonment:</th>
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| Casing: | |
|---------| |
| **Type:** | |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: | from (m): to |

| Liner: | |
|--------| |
| **Type:** | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | from (m): to Size: |
| from (m): to | Size: |
| from (m): to | Size: |

| Screen: | |
|---------| |
| **Material:** | |
| OD (mm): | from (m): to Size: |
| from (m): to | Size: |

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<th>Open Hole:</th>
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<td><strong>from (m): to</strong></td>
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| Pump: | |
|-------| |
| **Model:** | Intake (m): |
| **Rate (lpm):** | Time (minute): |
| **Level End (m):** | Drawdown (m): |
| **Rec'd Rate (lpm):** | Rec'd intake (m): |

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**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 102.1 (m)
- **NPWL (m):** 36.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 62.2
- **Bottom (m):** 62.2
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 62.2
- **to:**

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 56.4
- **Bottom (m):** 102.1
- **Perforated How:** Hand Drill
- **from (m):** 62.5
- **to:** 102.1
- **Size:**
- **from (m):**
  - **to:**
  - **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
  - **from (m):**
    - **to:**
  - **Size:**
  - **from (m):**
    - **to:**
  - **Size:**

**Open Hole:**

- **from (m):**
  - **to:**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 180.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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**Electric Log:** No  

**Gamma Log:** No  

**Aquifer Test:** No  

**AEP Data:** Yes  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: **Sorensen, Dan**
Drilling Contractor: **Irme Water Well Service & Supply Co. Ltd**

**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**

**Completed Depth:** 76.2 (m)
- NPWL (m): 36.6
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: **Galvanized Steel**
- Depth (m): 64.0
- Bottom (m): 64.0
- OD (mm): 114.3
- Thickness (mm):
- Seal Type:
- from (m):  
- to:

**Liner:**
- Type:
- OD (mm): 88.9
- Thickness (mm):
- Top (m):  
- Bottom (m): 76.2
- Perforated How: **Torch**
- from (m):  64.0  
- to 76.2
- Size:
- from (m):  
- to:
- from (m):  
- to:

**Screen:**
- Material:
- OD (mm):
- from (m):  
- to:
- from (m):  
- to:

**Open Hole:**
- from (m):  
- to:

**Pump:**
- Model:
- Intake (m):
- Rate (lpm): 13.7
- Time (minute): 240.0
- Level End (m):
- Drawdown (m):
- Rec'd intake (m): 61.0
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- COD:  
- SAR:  
- TDS:  
- KTN:  
- Sodium:  
- Nitrate:  
- Strontium:  
- Potassium:  
- Nitrite:  
- Molybdenum:  
- Calcium:  
- TN:  
- Vanadium:  
- Magnesium:  
- TC:  
- Zinc:  
- Carbonate:  
- DIC:  
- Hydroxide:  
- Bicarbonate:  
- Arsenic:  
- Total Hardness:  
- Aluminum:  
- Barium:  
- Manganese:  
- Sulphate:  
- Beryllium:  
- Phosphate:  
- Chloride:  
- Cadmium:  
- Ion Balance:  
- Fluoride:  
- Chromium:  
- Amm. Nitrogen:  
- Iron:  
- Cobalt:  
- Total Phosphate:  
- TOC:  
- Copper:  
- Total Alkalinity:  
- Silica:  
- Lead:  
- Nitrate&Nitrite N:  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
# NH 01-054-28 W4M

**Well Number:** 03376

**Well Owner:** Stanislawski

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 797

**AEP:** 262785

**Date Started:**

**Date Completed:**

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 68.6 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

**21 Oct 74**

- **pH (pH unit):** 8.10
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):** 940.0
- **SAR:**
- **Nickel:**
- **TDS:** 532.0
- **TKN:**
- **Selenium:**
- **Sodium:** 14.95
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:** 35.02
- **TC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:** 449.00
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Phosphate:**
- **Chloride:**
- **Ion Balance:** 0.92
- **Fluoride:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:** 384.0
- **TOC:**
- **Material:**
- **OD (mm):**
- **Open Hole:**
- **from (m):**
- **to:**
- **Size:**

### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

**printed on:** 2/20/98
## General:
- **Type of Work**: Chemistry
- **Drilling Method**: Unknown
- **Well Use**: Domestic
- **Completed Depth**: 38.1 (m)
- **NPWL (m)**: 
- **Verified NPWL (m)**: 
- **Abandonment**: 

## Casing:
- **Type**: 
- **Depth (m)**: Bottom (m): 
- **OD (mm)**: 
- **Thick (mm)**: 
- **Seal Type**: from (m): to 

## Liner:
- **Type**: 
- **OD (mm)**: 
- **Thick (mm)**: 
- **Top (m)**: Bottom (m): 
- **Perforated How**: from (m): to Size: 
- **from (m): to Size:** 
- **from (m): to Size:** 

## Screen:
- **Material**: 
- **OD (mm)**: 
- **Thick (mm)**: 
- **from (m): to Size:** 
- **from (m): to Size:** 
- **from (m): to Size:** 

## Open Hole:
- **from (m): to**

## Pump:
- **Model**: 
- **Intake (m)**: 

## Testing:
- **Rate (lpm)**: 
- **Time (minute)**: 
- **Level End (m)**: 
- **Drawdown (m)**: 
- **Rec'd intake (m)**: 
- **Rec'd Rate (lpm)**: 

## Laboratory:
- **pH (pH unit)**: 7.50
- **Cond. (µS/cm)**: 800.0
- **TDS**: 473.0
- **Sodium**: 18.09
- **Potassium**: 4.69
- **Calcium**: 93.99
- **Magnesium**: 37.09
- **Carbonate**: DIC
- **Bicarbonate**: 513.70
- **Aluminum**: Barium
- **Chloride**: Cadmium
- **Fluoride**: 0.23
- **Iron**: 0.50
- **TOC**: Copper
- **Silica**: Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity**: m²/day
- **Gamma Log**: Storativity:
- **Aquifer Test**: No
- **Rec'd Rate**: m³/day
- **Model**: 
- **Database**: 1.000H
- **AEP Data**: Yes
- **Well Field Verified**: No

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **NPWL (m):** 42.7
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

### Screen:
- **Material:** Un
- **OD (mm):**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 7.30
- **Cond. (µS/cm):** 1045
- **TDS:** 631.0
- **Sodium:** 25.99
- **Potassium:** 1.96
- **Calcium:** 141.08
- **Magnesium:** 40.98
- **Carbonate:** DIC
- **Bicarbonate:** 577.15
- **Aluminum:** Barium
- **Sulphate:** 135.92
- **Chloride:** Cadmium
- **Fluoride:** 0.11
- **Iron:** 4.65
- **TOC:** Copper
- **Silica:** 19.20

### Lithologic Description:
- (No Lithologic Information Available)

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **TOC:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number 03378**

- **Well Owner:** Wal Holdings Ltd.
- **Elevation (AMSL) (m):** 799
- **AEP:** 264274
- **Date Started:**
- **Date Completed:**
- **Licence No.:** Easting: 66,467.78
- **Northing:** 5,941,406.50

---

**Water Well Positioned by PFRA in 10TM NAD 27**

- **Drilling Number:** NH 01-054-28 W4M
- **Well Number:** 03378
- **Well Owner:** Wal Holdings Ltd.
- **Drilling Contractor:** Unknown Driller

---

**Printed on 2/20/98**
### General
- **Type of Work:** Chemistry  
- **Well Use:** Domestic  
- **Completed Depth:** 33.5 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole
- **from (m):** to  

### Pump
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpcm):**

### Laboratory
- **08 Nov 74**  
- **pH (pH unit):** 7.70  
- **COD:**  
- **SAR:** 750.0  
- **TKN:** 409.0  
- **STN:** 5.06  
- **Nitrate:** 3.52  
- **STN:** 93.99  
- **Selenium:** 33.08  
- **Vanadium:** 461.85  
- **Hydroxide:**  
- **Nitrite:**  
- **Bicarbonate:**  
- **Barium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Sodium:**  
- **Strontium:**  
- **Nitrate:**  
- **Arsenic:**  
- **Phosphate:**  
- **Cadmium:**  
- **Phosphate:**  
- **Chromium:**  
- **Strontium:**  
- **Cobalt:**  
- **Total Hardness:**  
- **Copper:**  
- **Iron:**  
- **Total Phosphate:**  
- **Lead:**  
- **Total Alkalinity:**  
- **Aluminum:**  
- **Nitrate:**  
- **Sodium:**  
- **Phosphate:**  
- **Chloride:**  
- **Amm. Nitrogen:**  
- **Fluoride:**  
- **Barium:**  
- **Nickel:**  
- **Fluoride:**  
- **Nitrate:**  
- **Nickel:**  
- **Fluoride:**  
- **Nitrile:**  
- **Fluoride:**  
- **Sulphate:**  
- **Calcium:**  
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- **Magnesium:**  
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- **Calcium:**  
- **Nitrite:**  
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- **Iron:**  
- **Iron:**  
- **Iron:**  
- **Iron:**  
- **Iron:**  
- **Iron:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **TOC:**  
- **Screen:**  
- **Electric Log:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

### Remarks
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Well Use:** Domestic
- **Completed Depth:** 70.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** Size:
- **from (m):** Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **26 Feb 75**
- **pH (pH unit):** 7.30
- **Cond. (µS/cm):** 960.0
- **TDS:** 634.0
- **Sodium:** 51.06
- **Potassium:** 2.35
- **Calcium:** 124.05
- **Magnesium:** 40.98
- **Carbonate:** DIC
- **Bicarbonate:** 469.17
- **Aluminium:** Barium
- **Sulphate:** 114.79
- **Chloride:** 64.16
- **Fluoride:** 0.11
- **Iron:** 1.90
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **AEP Data:** Yes
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
NH 01-054-28 W4M

Well Owner: Zoetekouk, Wm
Drilling Contractor: Unknown Driller

Well Number 03381

Elevation (AMSL) (m): 797

Licence No.: Easting: 66,584.18
Date Started: Northing: 5,941,482.00

General:
Type of Work: Chemistry
Drilling Method: Drilled
Well Use: Domestic
Completed Depth 88.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd Rate (lpm):
Rec'd intake (m):

Laboratory:
06 Jan 76

pH (pH unit) 7.90 COD Mercury
Cond. (µS/cm) 1000 SAR Nickel
TDS 669.0 TKN Selenium
Sodium 83.03 Nitrate Strontium
Potassium 2.74 Nitrite Molybdenum
Calcium 101.00 TN Vanadium
Magnesium 25.05 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 622.91 Arsenic Total Hardness 354.00
Aluminium Barium Manganese
 Sulphate 146.97 Beryllium Phosphate
Chloride 3.90 Cadmium Ion Balance 0.80
Fluoride 0.17 Chromium Amm. Nitrogen
Iron 0.20 Cobalt Total Phosphate
TOC Copper Total Alkalinity 511.0
Silica Lead Nitrate & Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 01-054-28 W4M**

**Well Number 03382**

| Well Owner: Grauman, Robert | Elevation (AMSL) (m): 802 |
| Drilling Contractor: Unknown Driller | AEP: 268976 |

- **Easting:** 66,115.59
- **Northing:** 5,941,232.50
- **Date Started:**
- **Date Completed:**

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:

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<th>pH (pH unit)</th>
<th>Conductivity (µS/cm)</th>
<th>TDS</th>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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printed on 2/20/98
Well Number: 03383

Well Owner: Klushin, Ken
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 776
AEP: 238071
Licence No.: Easting: 66,941.36
Date Started: 11 Mar 93
Northing: 5,940,585.50
Date Completed: 11 Mar 93

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Irrigation
- Completed Depth: 42.7 (m)
- NPWL (m): 19.2 Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 42.7 Bottom (m): 42.7
- OD (mm): 127.0 Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): 3.1 to 4.6

Liner:
- Type: Plastic
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

Screen:
- Material: PI
- OD (mm): 1.4
- from (m): 36.6 to 42.7 Size: 0.01
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m): 36.6

Testing:
- Rate (lpm): 136.8 Time (minute): 180.0
- Level End (m): 36.6 Drawdown (m): 17.4
- Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 m
- **NPWL (m):** 12.2
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
  - **Depth (m):** 25.0
  - **OD (mm):** 114.3
  - **Seal Type:** from (m): 114.3 to

**Liner:**
- **OD (mm):** 25.0 to 26.2
- **Perforated How:** from (m): to Size:
- **Open Hole:** from (m): to

**Screen:**
- **Material:** St
  - **OD (mm):** 0.9
  - **Bottom (m):** 26.2
- **Screen:** from (m): to

**Pump:**
- **Model:**
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 13.7
  - **Time (minute):** 420.0
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Depth Elevation**
- **Depth (m):**
- **BGL (m):**
- **AMSL (m):**
  - **Lithologic Description:**
    - 4.9 777.0 Clay Sandy Yellow
    - 15.2 766.7 Sandstone & Coal
    - 21.6 760.3 Clay Soft Yellow
    - 24.1 757.8 Clay Sandy Blue
    - 26.8 755.1 Sand
    - 39.6 742.3 Clay Sandy Blue

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 03384**
- **Elevation (AMSL) (m):** 782
- **AEP:** 262782
- **Date Started:** 13 Jan 81
- **Easting:** 66,346.02
- **Date Completed:** 14 Jan 81
- **Northing:** 5,940,570.50
- **Licence No.:**
- **Well Owner:** Klushin, George
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.
- **Electric Log: No**
- **Gamma Log: No**
- **Aquifer Test: No**
- **Database: 1.000H**
- **Transmissivity:** m²/day
- **Storativity:**
- **AEP Data: Yes**
- **Well Field Verified: No**
Well Owner: Klushin, Ken
Drilling Contractor: Marwayne Water Well Drilling Services Lt

Elevation (AMSL) (m): 782
Licence No.: Easting: 66,337.53
Date Started: 12 Aug 76 Northing: 5,940,571.50
Date Completed: 13 Aug 76

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth 57.9 (m)
NPWL (m): 31.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 47.2 Bottom (m): 47.2
OD (mm): 114.3 Thickness (mm): 0.0
Seal Type: Driven from (m): to 0.3

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model:
Intake (m):

Testing:
Rate (lpm): 27.4 Time (minute): 180.0
Level End (m): 41.2 Drawdown (m): 9.8
Rec’d intake (m): 41.8 Rec’d Rate (lpm):

Laboratory: 21 Apr 78
pH (pH unit) 7.60 COD Mercury
Cond. (μS/cm) 1061 SAR Nickel
TDS 655.0 TKN Selenium
Sodium 31.97 Nitrate Strontium
Potassium 2.35 Nitrite Molybdenum
Calcium 161.92 TN Vanadium
Magnesium 36.06 TC Zinc
Carbonate 580.21 DIC Hydroxide
Bicarbonate 8.21 Arsenic Total Hardness 560.00
Aluminum Barium Manganese
Sulphate 13.34 Beryllium Phosphate
Chloride 2.13 Cadmium Ion Balance 1.03
Fluoride 0.09 Chromium Amm. Nitrogen
Iron 1.92 Cobalt Total Phosphate
TOC Copper Total Alkalinity 475.0
Silica 20.60 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Printed on: 2/20/98
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 81.1 (m)
- NPWL (m): 18.9
- Abandonment:

**Casing:**
- Type: Galvanized Steel
- Depth (m): 42.7
- Bottom (m): 42.7
- OD (mm): 101.6
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to

**Liner:**
- Type: Driven
- OD (mm): 76.2
- Thickness (mm): 0.0
- Top (m): 41.8
- Bottom (m): 81.1
- Perforated How: Unknown
- from (m): 41.8 to 81.1
- Size: from (m): to

**Screen:**
- Material:
- OD (mm):
- from (m): to
- from (m): to

**Open Hole:**
- from (m): to

**Pump:** Sub
- Model: Mcdougall
- Intake (m):

**Testing:**
- Rate (lpm): 22.8
- Time (minute): 120.0
- Level End (m): 38.1
- Drawdown (m): 19.2
- Rec'd intake (m): 39.6
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD: Mercury
- Cond. (µS/cm): SAR: Nickel
- TDS: TKN: Selenium
- Sodium: Nitrate: Strontium
- Potassium: Nitrite: Molybdenum
- Calcium: TN: Vanadium
- Magnesium: TC: Zinc
- Carbonate: DIC: Hydroxide
- Bicarbonate: Arsenic: Total Hardness
- Aluminum: Barium: Manganese
- Sulphate: Beryllium: Phosphate
- Chloride: Cadmium: Ion Balance
- Fluoride: Chromium: Amm. Nitrogen
- Iron: Cobalt: Total Phosphate
- TOC: Copper: Total Alkalinity
- Silica: Lead: Nitrate & Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **Open Hole:** from (m): to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **04 Nov 70**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:**DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness 491.00
- **Aluminium:** Barium Manganese
- **Sulphate:** 246.87 Beryllium Phosphate
- **Chloride:** 2.13 Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** 8.95 Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity 477.0
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 12-054-28 W4M**

**Well Owner:** Sawatzky, Ben  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 779  
**AEP:** 134455  
**Licence No.:** Easting: 66,696.99  
**Date Started:** 05 Oct 93  
**Northing:** 5,942,031.50  
**Date Completed:** 06 Oct 93

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 82.3 (m)  
- **NPWL (m):** 35.0  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 52.4  
- **Bottom (m):** 52.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 52.4

### Liner:
- **Type:**
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 49.4  
- **Bottom (m):** 81.4  
- **Perforated How:** Saw  
- **from (m):** to 81.4  
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to 
- **from (m):** to 

### Open Hole:
- **from (m):** to 

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 10.7  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Strontium:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates & Nitrites:**
- **Total Hardness:**
- **Chlorides:**
- **Lead:**
- **Phosphate:**
- **Sulphate:**
- **Beryllium:**
- **Barium:**
- **Calcium:**
- **Magnesium:**
- **Bicarbonate:**
- **Arsenic:**
- **Carbonate:**
- **Sodium:**
- **Calcium:**
- **Sulphate:**
- **Nitrate:**
- **Barium:**
- **Phosphate:**
- **Chlorides:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **AEP Data:** Yes
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
SE 12-054-28 W4M

Well Owner: Sonnenberg, Ed
Drilling Contractor: McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General: Well Use: Domestic</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>Completed Depth 88.1 (m)</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>NPWL (m):</td>
<td>41.5 744.0</td>
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<tr>
<td>Abandonment:</td>
<td>42.1 743.4</td>
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<td>59.4 726.0</td>
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<td>62.5 723.0</td>
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<td>71.6 713.8</td>
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<td>76.2 709.3</td>
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<td>80.2 705.3</td>
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<td></td>
<td>82.3 703.2</td>
</tr>
<tr>
<td></td>
<td>86.0 699.5</td>
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<td></td>
<td>88.1 697.4</td>
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<tr>
<th>Depth Elevation (BGL) (AMSL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>6.1 779.4</td>
<td>Clay Yellow</td>
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<tr>
<td>36.0 749.5</td>
<td>Clay Blue</td>
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<tr>
<td>37.8 747.7</td>
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<td>41.5 744.0</td>
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<td>42.1 743.4</td>
<td>Coal</td>
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<td>46.9 738.5</td>
<td>Shale Gray</td>
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<tr>
<td>49.1 736.4</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>51.8 733.7</td>
<td>Shale Gray</td>
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<tr>
<td>54.9 730.6</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>56.1 729.4</td>
<td>Shale Brown</td>
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<tr>
<td>59.4 726.0</td>
<td>Shale Dark Gray</td>
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<td>62.5 723.0</td>
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<tr>
<td>67.1 718.4</td>
<td>Shale Dark Gray</td>
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<td>71.6 713.8</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>76.2 709.3</td>
<td>Shale Brown</td>
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<td>80.2 705.3</td>
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<td>82.3 703.2</td>
<td>Shale Gray</td>
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<tr>
<td>86.0 699.5</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>88.1 697.4</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

| Liner:                          |                         |
| Type: Galvanized Steel          |                         |
| Depth (m): 58.5                  |                         |
| Bottom (m): 58.5                 |                         |
| OD (mm): 114.3                   |                         |
| Thickness (mm): 0.1              |                         |
| Seal Type: Formation Seal        |                         |
| from (m):                         |                         |
| to 58.5                           |                         |

| Liner:                          |                         |
| Type: Torch                      |                         |
| from (m):                         |                         |
| to 87.2                           |                         |
| Size:                             |                         |

| Screen:                         |                         |
| Material:                        |                         |
| OD (mm): 88.9                    |                         |
| Thickness (mm): 0.0              |                         |
| Top (m):                         |                         |
| Bottom (m): 87.2                 |                         |
| Perforated How: Torch            |                         |
| from (m):                         |                         |
| to 87.2                           |                         |
| Size:                             |                         |

| Screen:                         |                         |
| from (m):                         |                         |
| to                                 |                         |

| Pump:                           |                         |
| Model:                           |                         |
| Intake (m): 48.8                 |                         |

| Testing:                         |                         |
| Rate (lpm): 13.7                 |                         |
| Time (minute): 420.0             |                         |
| Level End (m):                   |                         |
| Drawdown (m):                    |                         |
| Rec'd intake (m):                |                         |
| Rec'd Rate (lpm):                |                         |

| Laboratory:                     |                         |
| pH (pH unit):                   | COD Mercury             |
| Cond. (µS/cm)                   | SAR Nickel              |
| TDS                             | TKN Selenium            |
| Sodium                          | Nitrate Strontium       |
| Potassium                       | Nitrite Molybdenum      |
| Calcium                         | TN Vanadium             |
| Magnesium                       | TC Zinc                 |
| Carbonate                       | DIC Hydroxide           |
| Bicarbonate                     | Arsenic Total Hardness  |
| Aluminium                       | Barium Manganese       |
| Sulphate                        | Beryllium Phosphate     |
| Chloride                        | Cadmium Ion Balance     |
| Fluoride                        | Chromium Amm. Nitrogen  |
| Iron                             | Cobalt Total Phosphate  |
| TOC                             | Copper Total Alkalinity |
| Silica                          | Lead Nitrate&Nitrite N  |

| Electric Log: Yes                | Transmissivity: m³/day  |
| Gamma Log: No                    | Storativity:            |
| Aquifer Test: No                 | Project: Database: 1.000H|
| AEP Data: Yes                    | Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27
**SE 12-054-28 W4M**

**Well Owner:** Spruceland Millworks Inc  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.  

**SE 12-054-28 W4M**

**Well Owner:** Spruceland Millworks Inc  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.  

**Well Number 03392**

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 83.5m  
- **NPWL (m):** 50.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 57.0  
- **Bottom (m):** 57.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  

**Seal Type:** Formation Seal  
- **from (m):** to 57.0  

**Liner:**
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 55.2  
- **Bottom (m):** 73.5  

**Perforated How:**
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 68.9  
- **to:** 71.9  
- **Size:** 0.01  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):** 16.0  
- **Time (minute):** 120.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 10.7  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Hydroxide:**  
- **Carbonate:**  
- **DIC:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Positioning:**
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 12-054-28 W4M**

**Well Number:** 03393

**Well Owner:** Veld, Paul J.

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 785

**AEP:** 262877

**Licence No.:** Easting: 66,782.42

**Date Started:** 22 Sep 82

**Northing:** 5,942,271.50

**Date Completed:** 25 Sep 82

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### General:

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 59.7
  - **Bottom (m):** 59.7
  - **OD (mm):** 127.0
  - **Thickness (mm):**
  - **Seal Type:** Unknown
  - **from (m):** to 59.7
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):** 76.2
- **Perforated How:** Torch
  - **from (m):** 70.1 to 76.2
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:** Sub
  - **Model:**
  - **Intake (m):**
  - **Testing:**
    - **Rate (lpm):** 27.4
    - **Time (minute):** 60.0
    - **Level End (m):** 36.1
    - **Drawdown (m):** 22.9
    - **Rec'd intake (m):**
    - **Rec'd Rate (lpm):**

---

### Laboratory:

- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>779.4</td>
<td>Clay</td>
</tr>
<tr>
<td>18.3</td>
<td>767.2</td>
<td>Sand</td>
</tr>
<tr>
<td>36.6</td>
<td>748.9</td>
<td>Clay Blue</td>
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<tr>
<td>54.9</td>
<td>730.6</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>74.7</td>
<td>710.8</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>76.2</td>
<td>709.3</td>
<td>Shale &amp; Coal</td>
</tr>
</tbody>
</table>

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

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*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 69.8
- **Bottom (m):** 69.8
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 69.8

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 91.4
- **Perforated How:** Torch
- **from (m):** 70.1 to 91.4
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 240.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1</td>
<td>768.4</td>
<td>Clay Brown</td>
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<tr>
<td>18.6</td>
<td>760.8</td>
<td>Clay Blue</td>
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<td>24.7</td>
<td>754.7</td>
<td>Sand &amp; Gravel</td>
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<tr>
<td>25.3</td>
<td>754.1</td>
<td>Clay</td>
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<td>37.5</td>
<td>741.9</td>
<td>Sand &amp; Coal</td>
</tr>
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<td>44.8</td>
<td>734.6</td>
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<td>50.6</td>
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<td>Sand &amp; Gravel</td>
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<td>721.2</td>
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<td>65.5</td>
<td>713.9</td>
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<td>70.1</td>
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<td>78.0</td>
<td>701.4</td>
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<td>700.5</td>
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<td>91.4</td>
<td>688.0</td>
<td>Shale</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
**SW 12-054-28 W4M**

**Well Number:** 03395

**Well Owner:** Seutter, Harry

**Drilling Contractor:** Lando Enterprises Ltd.

**Elevation (AMSL) (m):** 779

**AEP:** 262879

**Licence No.:** 5,942,289.00

**Date Started:** 03 May 83

**Date Completed:** 04 May 83

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### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 32.0 (m)
- **NPWL (m):** 2.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 23.8
- **Bottom (m):** 23.8
- **OD (mm):** 108.0
- **Thickness (mm):** 0.1
- **Seal Type:**

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to**: Size:
- **from (m):**
- **to**: Size:
- **from (m):**
- **to**: Size:

### Screen:

- **Material:** PI
- **OD (mm):** 1.2
- **Size:** 0.01
- **from (m):** 20.7
- **to:** 23.8
- **from (m):**
- **to:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 91.2
- **Time (minute):** 360.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** 1.000H

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 04765

General:
- Type of Work: Flowing Shot Hole
- Drilling Method: Unknown
- Well Use: Industrial
- Completed Depth (m): 64,672.98
- NPWL (m): Other

Casing:
- Type: Other
- Depth (m): Other
- OD (mm): Other
- Seal Type: Other
- from (m): Other
to Other

Liner:
- Type: Other
- OD (mm): Other
- Thickness (mm): Other
- Top (m): Other
- Bottom (m): Other
- Perforated How:
  - from (m): Other
to Other
  - Size: Other
  - Size: Other
  - Size: Other

Screen:
- Material: Other
- OD (mm):
  - from (m): Other
to Other
  - Size: Other
  - Size: Other
  - Size: Other

Open Hole:
- from (m): Other
to Other

Pump:
- Model: Other
- Intake (m): Other

Testing:
- Rate (lpm): Other
- Time (minute): Other
- Level End (m): Other
- Drawdown (m): Other
- Rec'd intake (m): Other
- Rec'd Rate (lpm): Other

Laboratory:
- pH (pH unit): Other
- Cond. (µS/cm): Other
- COD: Other
- SAR: Other
- Nickel: Other
- TDS: Other
- TKN: Other
- Selenium: Other
- Sodium: Other
- Nitrate: Other
- Strontium: Other
- Potassium: Other
- Nitrite: Other
- Molybdenum: Other
- Calcium: Other
- TN: Other
- Vanadium: Other
- Magnesium: Other
- TC: Other
- Zinc: Other
- Carbonate: Other
- DIC: Other
- Hydroxide: Other
- Bicarbonate: Other
- Arsenic: Other
- Total Hardness: Other
- Aluminium: Other
- Barium: Other
- Manganese: Other
- Sulphate: Other
- Beryllium: Other
- Phosphate: Other
- Chloride: Other
- Cadmium: Other
- Ion Balance: Other
- Fluoride: Other
- Chromium: Other
- Amm. Nitrogen: Other
- Iron: Other
- Cobalt: Other
- Total Phosphate: Other
- TOC: Other
- Copper: Other
- Total Alkalinity: Other
- Silica: Other
- Lead: Other
- Nitrate & Nitrite N: Other

Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Depth Elevation
(BGL) (AMSL)

Lithologic Description
(No Lithologic Information Available)

Electric Log: No
Gamma Log: No
Aquifer Test: No
Database: 1.000H

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 13.1 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Plug & Cement 25 Oct 66

## Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

## Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

## Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Nitrate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Titanium:**
- **Seawater:**
- **Selenium:**
- **Sodium:**
- **Nitrite:**
- **Phosphate:**
- **Sulphate:**
- **Barium:**
- **Manganese:**
- **Aluminum:**
- **Arsenic:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Nitrate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** Reconditioned
- **Drilling Method:** Unknown
- **Well Use:** Other
- **Completed Depth:** 9.8 m
  - **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 8.8 m (Bottom: 8.8 m)
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from:** m to 7.0 m

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from:** m to **Size:**
- **from:** m to **Size:**
- **from:** m to **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **from:** m to **Size:**
- **from:** m to **Size:**

## Open Hole:
- **from:** m to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **SAR:** Nickel
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Calcium:**
- **Zinc:**
- **Magnesium:**
- **Hydroxide:**
- **Carbontate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Iron:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Iron:**
- **Iron:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm).** Except as noted.

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

### Electric Log:
- **No** Transmissivity:
- **No** Storativity:
- **Amm. Nitrogen**
- **Amm. Nitrogen**
- **Amm. Nitrogen**
- **Amm. Nitrogen**

### Gamma Log:
- **No** Storativity:
- **No** Storativity:
- **No** Storativity:
- **No** Storativity:

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 24.7
- **Bottom (m):** 24.7
- **OD (mm):** 115.8
- **Thickness (mm):** 0.0
- **Seal Type:** Unknown
- **from (m):** to 14.0

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 24.7 to 25.9
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 45.6
- **Time (minute):** 180.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation

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<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
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<td>696.0</td>
<td>Clay Sandy</td>
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<tr>
<td>8.8</td>
<td>688.0</td>
<td>Clay</td>
</tr>
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<td>24.4</td>
<td>672.5</td>
<td>Gravel</td>
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<td>25.6</td>
<td>671.3</td>
<td>Sandstone</td>
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<td>29.6</td>
<td>667.3</td>
<td>Shale</td>
</tr>
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<td>29.9</td>
<td>667.0</td>
<td>Bedrock</td>
</tr>
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<td>34.1</td>
<td>662.7</td>
<td>Shale</td>
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<td>43.3</td>
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<td>44.8</td>
<td>652.1</td>
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</tr>
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<td>45.7</td>
<td>651.2</td>
<td>Sandstone</td>
</tr>
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</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes

**Well Field Verified: No**
NE 23-050-01 W5M

Well Owner: Hole, Jim
Drilling Contractor: Alberta Eagle Drilling Ltd.

Elevation (AMSL) (m): 697
AEP: 358797

Licence No.: 5,907,799.00
Date Started: 24 Jun 91
Date Completed: 25 Jun 91

Well Number: 04769

General:
Type of Work: New Well
Drilling Method: Combination
Well Use: Domestic
Completed Depth: 67.1 (m)
NPWL (m): 6.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 26.8 Bottom (m): 26.8
OD (mm): 168.2 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): 18.3 to 26.8

Liner:
Type:
OD (mm): 125.5 Thickness (mm): 0.1
Top (m): 24.4 Bottom (m): 67.1
Perforated How: Machine
from (m): 48.8 to 64.0 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 67.1
Testing:
Rate (lpm): 20.5 Time (minute): 180.0
Level End (m): 67.1 Drawdown (m): 60.7
Rec'd intake (m): 45.7 Rec'd Rate (lpm): 18.2

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 04770

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 54.9 (m)
- **NPWL (m):** 1.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 43.6
- **Bottom (m):** 43.6
- **OD (mm):** 115.8
- **Thickness (mm):**
- **Seal Type: Unknown**
- **from (m):** to 30.5

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **Open Hole:**
  - **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 29.0

**Testing:**
- **Rate (lpm):** 95.8
- **Time (minute):** 360.0
- **Level End (m):** 26.5
- **Drawdown (m):** 24.7
- **Rec'd intake (m):** 30.5
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depths and Elevations:**
- **(BGL) (AMSL):**
  - **Lithologic Description**
    - 4.6 694.6 Sand & Gravel
    - 6.1 693.1 Clay
    - 30.2 669.0 Sand & Gravel
    - 31.4 667.8 Shale
    - 31.7 667.5 Sandstone
    - 32.3 666.9 Shale
    - 33.8 665.4 Shale
    - 36.9 662.3 Sandstone Hard
    - 39.0 660.2 Sandstone
    - 44.8 654.4 Shale
    - 49.4 649.8 Sandstone
    - 51.2 648.0 Shale
    - 54.0 645.3 Sandstone
    - 54.9 644.3 Shale

**Database:**
- **Project:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Technical Information:**
- **Elevation (AMSL) (m):** 699
- **AEP:** 450909
- **Licence No.:**
- **Date Started:** 05 Aug 80
- **Easting:** 65,643.34
- **Northing:** 5,907,478.00
- **Date Completed:** 05 Aug 80

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**NE 24-050-01 W5M**

**Well Owner:** Hooper, Danny  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 698  
**AEP:** 450910  
**Licence No.:**  
**Date Started:** 09 Sep 85  
**Easting:** 65,696.02  
**Date Completed:** 10 Sep 85  
**Northing:** 5,907,223.50

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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>6.7</td>
<td>691.2</td>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 m
- **NPWL (m):** 15.9
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 26.5
- **Bottom (m):** 26.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
- **from (m):** 25.0 to 26.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 24.4
- **Bottom (m):** 91.4
- **Perforated How:** Saw
- **from (m):** 70.1 to 88.4
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
- **Model:**
- **Intake (m):** 67.1
- **Rate (lpm):** 16.0
- **Time (minute):** 180.0
- **Level End (m):** 67.1
- **Drawdown (m):** 51.2
- **Rec'd intake (m):** 67.1
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sulfate:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Manganese:**
- **Thermometer:**
- **Lead:**
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- **Selenium:**
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- **Beryllium:**
- **Total Alkalinity:**
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- **Chloride:**
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- **Nickel:**
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- **Barium:**
- **Manganese:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation (BGL) (AMSL)

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### Testing:
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 m
- **NPWL (m):** 21.3
- **Abandonment:**
- **Casing Type:** Steel
- **Depth (m):** 45.7
- **Bottom (m):** 45.7
- **OD (mm):** 114.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **Liner Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 42.7
- **Bottom (m):** 91.4
- **Perforated How:** Other
- **Screen Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **Open Hole:**
- **Pump Model:**
- **Intake (m):** 64.0
- **Testing Rate (lpm):** 16.0
- **Time (minute):** 180.0
- **Level End (m):**
- **Completed Depth:**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

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### Laboratory
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Sulfate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Testing
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### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on 2/20/98**
**NE 24-050-01 W5M**

**Well Owner:** Ranson, Dave  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 696  
**AEP:** 396688  
**Date Started:** 05 Aug 94  
**Date Completed:** 05 Aug 94

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 22.9 (m)  
- **NPWL (m):** 4.6  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 7.6  
- **Bottom (m):** 7.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 7.6

### Liner:
- **Type:**
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 6.1  
- **Bottom (m):** 22.9  
- **Perforated How:** Saw  
- **from (m):** to 7.6  
- **Size:**
- **from (m):** to 21.9  
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Sub**  
- **Model:** Jacuzzi  
- **Intake (m):** 12.2

### Testing:
- **Rate (lpm):** 63.9  
- **Time (minute):** 120.0  
- **Level End (m):** 10.7  
- **Drawdown (m):** 6.1  
- **Rec'd Rate (lpm):** 12.2  
- **Rec'd intake (m):** 63.9

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
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- **Calcium:**  
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- **Lead:**  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **No**  
- **Transmissivity:**  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **No**  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
NE 24-050-01 W5M

Well Owner: Stern, Marty
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 04775
Elevation (AMSL) (m): 697
AEP: 352287
Licence No.: Easting: 66267.60
Date Started: 24 Sep 90
Nothing: 5907584.00
Date Completed: 24 Sep 90

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 54.9 (m)
NPWL (m): 16.8
Verified NPWL (m): Abandonment:

Casing:
Type: Plastic
Depth (m): 25.6
Bottom (m): 25.6
OD (mm): 152.4
Thicknes (mm): 0.1
Seal Type: Shale Trap
from (m): to 25.6

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 24.4
Bottom (m): 54.9

Perforated How: Other
from (m): 30.5 to 51.8
Size:
from (m): toSize:
from (m): toSize:

Screen:
Material:
OD (mm):
from (m): toSize:
from (m): toSize:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 22.8
Time (minute): 180.0
Level End (m): 36.6
Drawdown (m): 19.8
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:
Barium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD
SAR
TKN
Nitrate
Nitrite
Molybdenum
TN
TC
DIC
Arsenic
Total Hardness
Barium
Manganese
Beryllium
Phosphorus
Cadium
Iron
Chromium
Cobalt
Copper
Lead

Mercury
Nickel
Selenium
Strontium
Molybdenum
Vanadium
Zinc
Hydroxide
Total Hardness

Gamma Log: No
Amm. Nitrogen
Phosphate
Vanadum

Aquifer Test: No
TOC
Cadmium
Iron
Total Phosphate
Iron

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 22.8
Time (minute): 180.0
Level End (m): 36.6
Drawdown (m): 19.8
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:

COD
SAR
TKN
Nitrate
Nitrite
Molybdenum
TC
DIC
Arsenic

Mercury
Nickel
Selenium
Strontium

Database: Project: 1.000H
AEP Data: Yes
Well Field Verified: No

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

printed on 2/20/98
**NE 24-050-01 W5M**

**Well Number:** 04776

**Well Owner:** Sutherland, Charlie

**Drilling Contractor:** Kap’S Drilling Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>597</th>
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<tbody>
<tr>
<td>AEP:</td>
<td>365308</td>
</tr>
<tr>
<td>Licence No.:</td>
<td>66,267.60</td>
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<tr>
<td>Date Started:</td>
<td>09 Jun 92</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>09 Jun 92</td>
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<table>
<thead>
<tr>
<th>General:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
</tr>
<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
</tr>
<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth: <strong>24.4</strong> (m)</td>
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<tr>
<td>NPWL (m): <strong>6.1</strong></td>
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<td>Verified NPWL (m):</td>
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<td>Abandonment:</td>
</tr>
<tr>
<td>Casing:</td>
</tr>
<tr>
<td>Type: <strong>Plastic</strong></td>
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<tr>
<td>Depth (m): <strong>9.4</strong> Bottom (m): <strong>9.4</strong></td>
</tr>
<tr>
<td>OD (mm): <strong>141.2</strong> Thickness (mm): <strong>0.2</strong></td>
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<td>Seal Type: <strong>Driven</strong></td>
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<td>from (m): to <strong>9.4</strong></td>
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<tr>
<td>Liner:</td>
</tr>
<tr>
<td>OD (mm): <strong>88.9</strong> Thickness (mm): <strong>0.1</strong></td>
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<td>Top (m): <strong>9.1</strong> Bottom (m): <strong>24.4</strong></td>
</tr>
<tr>
<td>Perforated How: <strong>Saw</strong></td>
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<tr>
<td>from (m): <strong>9.8</strong> to <strong>24.4</strong> Size:</td>
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<td>from (m): to <strong>Size:</strong></td>
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<tr>
<td>Material:</td>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m): to <strong>Size:</strong></td>
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<tr>
<td>from (m): to <strong>Size:</strong></td>
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<tr>
<td>Open Hole:</td>
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<tr>
<td>from (m): to <strong>Size:</strong></td>
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<td>Pump: <strong>Sub</strong></td>
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<tr>
<td>Model: Berkeley 10mg7</td>
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<tr>
<td>Intake (m): <strong>9.1</strong></td>
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| Testing: |
| Rate (lpm): **54.7** Time (minute): **420.0** |
| Level End (m): **9.1** Drawdown (m): **3.1** |
| Rec’d intake (m): **9.1** Rec’d Rate (lpm): **45.8** |

| Laboratory: |
| pH (pH unit) | COD |
| Cond. (µS/cm) | SAR |
| TDS | TKN |
| Sodium | Nitrate |
| Potassium | Nitrite |
| Calcium | TN |
| Magnesium | TC |
| Carbonate | DIC |
| Bicarbonate | Arsenic |
| Aluminium | Barium |
| Sulphate | Beryllium |
| Chloride | Cadmium |
| Fluoride | Chromium |
| Iron | Cobalt |
| TOC | Copper |
| Silica | Lead |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Electric Log: **No** |
| Transmissivity: **m³/day** |
| Gamma Log: **No** |
| Storativity: |
| Aquifer Test: **No** |
| Project: Database: **1.000H** |
| AEP Data: Yes |
| Well Field Verified: **No** |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 24-050-01 W5M**

**Well Owner:** Gillam, Dwayne  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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<tr>
<th>Well Number</th>
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<tbody>
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<td>Elevation (AMSL) (m):</td>
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<td>AEP:</td>
<td>351284</td>
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<td>Licence No.:</td>
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<td>25 May 90</td>
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<td>Easting:</td>
<td>5,907,704.00</td>
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<td>Date Completed:</td>
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### General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 22.9 (m)
- NPWL (m): 6.4
- Abandonment:
- Casing Type: Plastic
  - Depth (m): 12.2, Bottom (m): 12.2
  - OD (mm): 152.4
  - Thickness (mm): 0.1
- Seal Type: Driven & Formation P
  - from (m): to 12.2
- Liner Type: Plastic
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 12.2, Bottom (m): 21.9
- Perforated How: Machine
  - from (m): 12.2 to 21.9
- Screen Material: Plastic
  - OD (mm):
  - from (m): to
  - from (m): to
- Open Hole: from (m): to
- Pump Model: Intake (m):
  - Rate (lpm): 22.8
  - Time (minute): 420.0
  - Level End (m): 7.6
  - Drawdown (m): 1.2
  - Rec'd Rate (lpm):
  - Rec'd intake (m):

### Laboratory:

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<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<td>Magnesium</td>
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<td>Zinc</td>
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<td>Total Alkalinity</td>
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<tr>
<td>silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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### Electric Log:
- Electric Log: No
- Transmissivity: m³/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project:
- AEP Data: Yes
- Well Field Verified: No

### Depth Elevation (BGL) (AMSL) (m):

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>696.9</td>
<td>Clay Yellow</td>
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<td>5.5</td>
<td>693.5</td>
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<td>8.5</td>
<td>690.5</td>
<td>Shale Gray</td>
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<tr>
<td>9.1</td>
<td>689.9</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>11.3</td>
<td>687.7</td>
<td>Sand Gray</td>
</tr>
<tr>
<td>11.9</td>
<td>687.1</td>
<td>Shale &amp; Coal Brown</td>
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<td>12.8</td>
<td>686.2</td>
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<td>19.2</td>
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<td>Shale Sandy Gray</td>
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<td>678.9</td>
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<td>Shale Soft Brown</td>
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<td>21.6</td>
<td>677.4</td>
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<td>Sandstone</td>
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<tr>
<td>22.9</td>
<td>676.1</td>
<td>Shale Gray</td>
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</table>

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
14-25-050-01 W5M

Well Owner: Giese, Louis
Drilling Contractor: Schuster Fred

Well Number: 04778

Elevation (AMSL) (m): 705
AEP: 450915
Licence No.: Easting: 65,468.87
Date Started: Northing: 5,909,474.00
Date Completed: 14 Sep 59

General:
Type of Work: New Well
Drilling Method: Drilled
Well Use: Domestic
Completed Depth: 25.6 (m)
NPWL (m): 5.2 Verified NPWL (m): Abandonment:

Casing:
Type: Steel
Depth (m): 20.1 Bottom (m): 20.1
OD (mm): 90.4 Thickness (mm):
Seal Type: Driven
from (m): to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
from (m):
from (m):

Screen:
Material:
OD (mm):
from (m):
from (m):

Open Hole:
from (m):

Pump: Stock
Model: Beatty
Intake (m):

Testing:
Rate (lpm): 18.2 Time (minute): 360.0
Level End (m): Drawdown (m):
Rec’d intake (m): 13.4 Rec’d Rate (lpm):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Barium
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
TC
DIC
Arsenic
Nitrate
Molybdenum
Cadmium
Chromium
Cobalt
Beryllium
Phosphate
Cadmium
Chromium
Copper
Lead

Mercury
Nickel
Selenium
Strontium
Vanadium
Zinc
Hydroxide
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate
Nitrite
Nitrate
Nitrite
N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Database: 1.000H

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**  
Type of Work: **New Well**  
Drilling Method: **Drilled**  
Well Use: **Domestic**  
Completed Depth: 70.7 (m)  
NPWL (m): 5.2  
Verified NPWL (m):  
Abandonment:  

**Casing:**  
Type: **Steel**  
Depth (m): 38.7  
Bottom (m): 38.7  
OD (mm): 90.4  
Thickness (mm):  
Seal Type: **Driven**  
from (m): to  

**Liner:**  
Type:  
Thickness (mm):  
Top (m): Bottom (m):  
Perforated How:  
from (m): to Size:  
from (m): to Size:  
from (m): to Size:  

**Screen:**  
Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size:  

**Open Hole:**  
from (m): to  

**Pump:** **Stock**  
Model: **Beatty**  
Intake (m):  
Rate (lpm): 16.0  
Time (minute): 480.0  
Level End (m): Drawdown (m):  
Rec'd intake (m): Rec'd Rate (lpm):  

**Laboratory:**  
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<th>Parameter</th>
<th>Value</th>
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<tbody>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Carbonate</td>
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<td>Silica</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted.  

**Depth Elevation**  
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<tr>
<th>(BGL)</th>
<th>(AMSL)</th>
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<td>12.2</td>
<td>693.1</td>
<td>Clay</td>
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<td>34.8</td>
<td>670.6</td>
<td>Clay Sandy</td>
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<td>36.0</td>
<td>669.3</td>
<td>Rocks Hard</td>
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<td>36.9</td>
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<td>70.7</td>
<td>634.6</td>
<td>Hard Pan</td>
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</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**  

**Elevation (AMSL) (m):** 705  
**AEP:** 450913  
**Licence No.:**  
**Date Started:**  
**Easting:** 66,322.97  
**Nothig:** 5,908,650.00  
**Date Completed:** 18 Aug 58  
**Well Number:** 04779  
**Project:** 1.000H  
**Database:**  
**AEP Data:** Yes  
**Well Field Verified:** No  
**Remarks:**  

**Remarks:**
**SE 25-050-01 W5M**

**Well Number: 04780**

**Well Owner:** Stroh, Gerald  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 74.4 (m)  
- **NPWL (m):** 10.7  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 46.0  
- **Bottom (m):** 46.0  
- **OD (mm):** 141.2  
- **Thickness (mm):**  
- **Seal Type:** Driven  
- **from (m):** to 46.0  

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Top (m):** Bottom (m): 73.5  

### Perforated How:
- **Torch**  
- **from (m):** to 73.5  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):** 35.0  

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 24.4  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

### Laboratory:

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<th>Value</th>
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<td>TDS</td>
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<td>Sodium</td>
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<td></td>
</tr>
<tr>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
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</tr>
<tr>
<td>Cadmium</td>
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</tr>
<tr>
<td>Ion Balance</td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td></td>
</tr>
<tr>
<td>Amm. Nitrogen</td>
<td></td>
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<tr>
<td>Iron</td>
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<tr>
<td>Cobalt</td>
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<tr>
<td>Total Phosphate</td>
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<td>TOC</td>
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<tr>
<td>Copper</td>
<td></td>
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<tr>
<td>Total Alkalinity</td>
<td></td>
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<tr>
<td>Silica</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
<td></td>
</tr>
<tr>
<td>DIC Hydroxide</td>
<td></td>
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<tr>
<td>Carbonate</td>
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<td>Total Hardness</td>
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<td>Aluminum</td>
<td></td>
</tr>
<tr>
<td>Barium</td>
<td></td>
</tr>
<tr>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
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</tr>
<tr>
<td>Beryllium</td>
<td></td>
</tr>
<tr>
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<td>Chromium</td>
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<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td></td>
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<tr>
<td>Cobalt</td>
<td></td>
</tr>
<tr>
<td>Total Phosphate</td>
<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td></td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
<table>
<thead>
<tr>
<th>Well Number: 04781</th>
<th>Well Owner: Sierpinski, Otto</th>
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<tbody>
<tr>
<td>Drilling Contractor: Schuster Fred</td>
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<td>Elevation (AMSL) (m): 708</td>
<td>AEP: 450919</td>
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<tr>
<td>Licence No.:</td>
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<tr>
<td>Date Started:</td>
<td>Northing: 5,909,151.50</td>
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<tr>
<td>Date Completed: 26 Aug 59</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 17.7
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 32.6
  - **Bottom (m):** 32.6
  - **OD (mm):** 90.4
  - **Thickness (mm):**
  - **Seal Type:** Driven
- **Liner:**
  - **Type:**
  - **OD (mm):**
  - **Top (m):** to
  - **Perforated How:**
  - **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Bottom (m):**
  - **Open Hole:**
  - **Pump:**
  - **Model:** Intake (m): 1
- **Testing:**
  - **Rate (lpm):** 6.8
  - **Time (minute):** 360.0
  - **Level End (m):** Drawdown (m): Rec'd intake (m): Rec'd Rate (lpm): 3.6

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>1.8</td>
<td>706.2</td>
<td>Sand</td>
</tr>
<tr>
<td>12.8</td>
<td>695.2</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>27.4</td>
<td>680.6</td>
<td>Clay &amp; Boulders Sandy</td>
</tr>
<tr>
<td>55.5</td>
<td>652.5</td>
<td>Hard Pan</td>
</tr>
<tr>
<td>56.7</td>
<td>651.3</td>
<td>Rocks</td>
</tr>
<tr>
<td>57.0</td>
<td>651.0</td>
<td>Coal</td>
</tr>
<tr>
<td>62.8</td>
<td>645.2</td>
<td>Sand</td>
</tr>
<tr>
<td>64.0</td>
<td>644.0</td>
<td>Hard Pan</td>
</tr>
</tbody>
</table>

**Electric Log:** No  Transmissivity: m²/day  Gamma Log: No  Storativity: |
**Aquifer Test:** No  Project: 1.000H  AEP Data: Yes  Well Field Verified: No
**NE 26-050-01 W5M**

**Well Owner:** Simpson, Dale L.

**Drilling Contractor:** Unknown Driller

**Well Number:** 04782

**Elevation (AMSL) (m):** 705

**AEP:** 450921

**Licence No.:** Easting: 64,143.02

**Date Started:** Northing: 5,909,323.50

**Date Completed:** 30 Jul 77

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 24.4 m
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Database:**

- **Project:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Electric Log:** No
**Transmissivity:** m²/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: Chemistry</td>
<td>(m)</td>
<td></td>
</tr>
<tr>
<td>Drilling Method: Unknown</td>
<td>(m)</td>
<td>(No Lithologic Information Available)</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Completed Depth 61.0 (m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NPWL (m):</td>
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<td></td>
</tr>
<tr>
<td>Verified NPWL (m):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Casing:                   |                             |                        |
| Type:                     |                             |                        |
| Depth (m):                | Bottom (m):                 |                        |
| OD (mm):                  | Thickness (mm):             |                        |
| Seal Type:                |                             |                        |
| from (m):                 | to                          |                        |

| Liner:                    |                             |                        |
| Type:                     |                             |                        |
| OD (mm):                  | Thickness (mm):             |                        |
| Top (m):                  | Bottom (m):                 |                        |
| Perforated How:           |                             |                        |
| from (m):                 | to                          | Size:                  |
| from (m):                 | to                          | Size:                  |
| from (m):                 | to                          | Size:                  |

| Screen:                   |                             |                        |
| Material:                 |                             |                        |
| OD (mm):                  |                             |                        |
| from (m):                 | to                          | Size:                  |
| from (m):                 | to                          | Size:                  |

| Open Hole:                |                             |                        |
| from (m):                 | to                          |                        |

| Pump:                     |                             |                        |
| Model:                    | Intake (m):                 |                        |

| Testing:                  |                             |                        |
| Rate (lpm):               | Time (minute):              |                        |
| Level End (m):            | Drawdown (m):               |                        |
| Rec'd intake (m):         | Rec'd Rate (lpm):           |                        |

| Laboratory:               | Electric Log: No            | Transmissivity: m³/day  |
| pH (pH unit)              | Gamma Log: No               | Storativity:            |
| Cond. (µS/cm)             | Aquifer Test: No            |                        |
| COD                       | Project: Database: 1.000H   |                        |
| SAR                       | AEP Data: Yes               | Well Field Verified: No|
| TDS                       |                             |                        |
| Sodium                    |                             |                        |
| Nitrate                   |                             |                        |
| Potassium                 |                             |                        |
| Nitrite                   |                             |                        |
| Calcium                   |                             |                        |
| TC                        |                             |                        |
| Magnesium                 |                             |                        |
| DIC                       |                             |                        |
| Carbonate                 |                             |                        |
| Bicarbonate               |                             |                        |
| Arsenic                   |                             |                        |
| Aluminium                 |                             |                        |
| Barium                    |                             |                        |
| Sulphate                  |                             |                        |
| Beryllium                 |                             |                        |
| Chloride                  |                             |                        |
| Cadmium                   |                             |                        |
| Fluoride                  |                             |                        |
| Chromium                  |                             |                        |
| Iron                      |                             |                        |
| Cobalt                    |                             |                        |
| TOC                       |                             |                        |
| Copper                    |                             |                        |
| Silica                    |                             |                        |
| Lead                      |                             |                        |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Remarks:                  |                             |                        |

Water Well Positioned by PFRA in 10TM NAD 27 
**SE 26-050-01 W5M**

**Well Number:** 04784

- **Well Owner:** Urssel, Gordon
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 700
- **AEP:** 450916
- **Licence No.:** Easting: 64,653.29
- **Date Started:** Northing: 5,907,958.00
- **Date Completed:** 01 Jan 40

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 88.4 (m)
- **NPWL (m):** 45.7
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):**
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** **Time (minute):**
- **Level End (m):** **Drawdown (m):**
- **Rec’d intake (m):** **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 112.8 (m)
- **NPWL (m):** 54.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 15.9
- **Bottom (m):** 15.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** Bottom (m): 109.1

**Perforated How:** Machine

- **from (m):** 54.9
- **to:** 109.1
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 79.2

**Testing:**

- **Rate (lpm):** 1.5
- **Time (minute):** 240.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 4.6

**Laboratory:**

- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:**
- **Nitrates & Nitrites:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 30-050-01 W5M**

**Well Number**: 04789

**Well Owner**: Gosselin, Peter

**Drilling Contractor**: Grove Drilling Enterprises (1980) Ltd.

<table>
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<tr>
<th>General:</th>
<th>Depth Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>(m) (m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
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<tr>
<td>Completed Depth: 82.3 (m)</td>
<td>10.4 636.9 Clay</td>
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<td>NPWL (m): 42.7</td>
<td>15.2 632.0 Sandstone</td>
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<td>Abandonment:</td>
<td>16.8 630.5 Sandstone &amp; Coal</td>
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<tr>
<td>Casing:</td>
<td>19.8 627.5 Sandstone</td>
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<tr>
<td>Type: Steel</td>
<td>32.9 614.3 Shale</td>
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<td>Depth (m): 59.1</td>
<td>34.1 613.1 Coal</td>
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<td>Bottom (m): 59.1</td>
<td>47.2 600.0 Shale</td>
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<td>OD (mm): 115.8</td>
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<td>54.9 592.4 Sandstone</td>
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<tr>
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<td>54.9 592.4 Sandstone</td>
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<tr>
<td>to 59.1</td>
<td>60.0 587.2 Shale</td>
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<td>Liner:</td>
<td>66.4 580.8 Sandstone</td>
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<tr>
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<td>75.3 572.0 Shale</td>
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<td>77.1 570.2 Shale</td>
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<td>Top (m):</td>
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<td>Bottom (m): 82.3</td>
<td>82.3 565.0 Shale</td>
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<td>Perforated How: Machine</td>
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<tr>
<td>from (m): 57.9</td>
<td>57.9 45.6</td>
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<tr>
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<td>82.3 45.6</td>
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<tr>
<td>from (m): 59.1</td>
<td>59.1 54.9</td>
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<td>to 82.3</td>
<td>82.3 54.9</td>
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<tr>
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<td>OD (mm):</td>
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<td>from (m):</td>
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</tr>
<tr>
<td>to Size:</td>
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</tr>
<tr>
<td>from (m):</td>
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</tr>
<tr>
<td>to Size:</td>
<td></td>
</tr>
<tr>
<td>Open Hole:</td>
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</tr>
<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
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<tr>
<td>Rate (lpm): 45.6</td>
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</tr>
<tr>
<td>Rec'd Rate (lpm): 45.6</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
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<td>Nitrile</td>
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<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 26.8 (m)
- **NPWL (m):** 14.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 22.3
- **Bottom (m):** 22.3
- **OD (mm):** 115.8
- **Thickmess (mm):** 0.0

### Seal Type:
- from (m): to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How:
- **from (m):** to **Size:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 22.3 to **to** 26.8
- **Size:** 0.10

### Open Hole:
- from (m): to

### Pump:
- **Model:** Intake (m): 24.4

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 1440.0
- **Level End (m):** 19.2
- **Drawdown (m):** 5.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**12-31-050-01 W5M**

Well Owner: Walton, Don


Elevation (AMSL) (m): 724  
AEP: 450952  
Licence No.:  
Date Started: 28 Jul 80  
Date Completed: 29 Jul 80  
Easting: 56,728.75  
Northing: 5,910,344.50

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<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Clay</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Sand</strong></td>
<td></td>
</tr>
<tr>
<td>Completed Depth <strong>32.6</strong> (m)</td>
<td><strong>715.2</strong></td>
<td></td>
</tr>
<tr>
<td>NPWL (m):</td>
<td><strong>11.9</strong></td>
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<td><strong>Verified NPWL (m):</strong></td>
<td><strong>712.1</strong></td>
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<td><strong>Abandonment:</strong></td>
<td><strong>711.5</strong></td>
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</tr>
<tr>
<td><strong>Type: Steel</strong></td>
<td><strong>Shale</strong></td>
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<tr>
<td>Depth (m): <strong>32.6</strong></td>
<td><strong>713.5</strong></td>
<td></td>
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<tr>
<td>Bottom (m): <strong>32.6</strong></td>
<td><strong>32.6</strong></td>
<td></td>
</tr>
<tr>
<td>OD (mm): <strong>115.8</strong></td>
<td><strong>32.6</strong></td>
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<tr>
<td>Thickness (mm): <strong>0.0</strong></td>
<td><strong>711.4</strong></td>
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<tr>
<td><strong>Seal Type:</strong> Unknown</td>
<td><strong>Shale</strong></td>
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<tr>
<td>from (m): to <strong>13.1</strong></td>
<td><strong>Steel</strong></td>
<td></td>
</tr>
<tr>
<td>Liner:</td>
<td><strong>32.6</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Type:</strong></td>
<td><strong>32.6</strong></td>
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<tr>
<td>OD (mm):</td>
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<td>Top (m):</td>
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<tr>
<td>Perforated How:</td>
<td><strong>32.6</strong></td>
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</tr>
<tr>
<td>from (m): to</td>
<td><strong>32.6</strong></td>
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</tr>
<tr>
<td>from (m): to</td>
<td><strong>32.6</strong></td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td><strong>32.6</strong></td>
<td></td>
</tr>
<tr>
<td>Screen:</td>
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</tr>
<tr>
<td><strong>Material:</strong></td>
<td><strong>691.4</strong></td>
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<td>OD (mm):</td>
<td><strong>693.5</strong></td>
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<tr>
<td>from (m): to</td>
<td><strong>Sandstone</strong></td>
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<td>from (m): to</td>
<td><strong>30.5</strong></td>
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<td>from (m): to</td>
<td><strong>713.3</strong></td>
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<td>Open Hole:</td>
<td><strong>715.2</strong></td>
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<tr>
<td>from (m): to</td>
<td><strong>Clay</strong></td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td><strong>115.8</strong></td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td><strong>115.8</strong></td>
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<tr>
<td>Intake (m):</td>
<td><strong>115.8</strong></td>
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<tr>
<td>Testing:</td>
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<tr>
<td>Rate (lpm): <strong>16.0</strong></td>
<td><strong>242.0</strong></td>
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<td>Time (minute): <strong>420.0</strong></td>
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<tr>
<td>Level End (m):</td>
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<tr>
<td>Rec'd intake (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
<td><strong>242.0</strong></td>
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**Laboratory:**

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<thead>
<tr>
<th>Parameter</th>
<th>Concentration (mg/l)</th>
</tr>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>KTN</td>
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<td>Sodium</td>
<td>Nitrate</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

AEP Data: Yes  
Well Field Verified: No

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 31-050-01 W5M**

**Well Number:** 04795

**Well Owner:** Lindberg, L.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 730

**AEP:** 450955

**Date Started:**

**Date Completed:**

**Licence No.:** Easting: 58,217.34

**Northing:** 5,910,976.50

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 45.1 (m)
- **NPWL (m):** 5.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

*printed on 2/20/98*
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 124.7 (m)
- **NPWL (m)**: 61.7
- **Verified NPWL (m)**: 
- **Abandonment**: 

#### Casing:
- **Type**: Steel
- **Depth (m)**: 39.6
- **Bottom (m)**: 39.6
- **OD (mm)**: 141.2
- **Thickness (mm)**: 0.1
- **Seal Type**: Formation Seal
- **from (m)**: to 39.6

#### Liner:
- **Type**: 
- **OD (mm)**: 114.3
- **Thickness (mm)**: 
- **Top (m)**: Bottom (m): 123.7
- **Perforated How**: Torch
- **from (m)**: to 123.7
- **Size**: 
- **from (m)**: to Size:
- **from (m)**: to Size:

#### Screen:
- **Material**: 
- **OD (mm)**: 
- **from (m)**: to Size:
- **from (m)**: to Size:

#### Open Hole:
- **from (m)**: to 

#### Pump:
- **Model**: 
- **Intake (m)**: 
- **Rate (lpm)**: 16.0
- **Time (minute)**: 1440.0
- **Level End (m)**: 106.7
- **Drawdown (m)**: 45.1
- **Rec'd intakes (m)**: 
- **Rec'd Rate (lpm)**: 

### Laboratory:
- **pH (pH unit)**: 
- **COD**: Mercury
- **SAR**: Nickel
- **TKN**: Selenium
- **Nitrate**: Strontium
- **Nitrite**: Molybdenum
- **Vanadium**: 
- **TC**: Zinc
- **DIC**: Hydroxide
- **Bicarbonate**: Arsenic
- **Barium**: Total Hardness
- **Manganese**: 
- **Sulphate**: Beryllium
- **Phosphate**: 
- **Chloride**: Ion Balance
- **Cadmium**: Amm. Nitrogen
- **Chromium**: Total Phosphate
- **Copper**: Total Alkalinity
- **Lead**: 
- **Silica**: Nitrate & Nitrite N

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 31.1 m
- **NPWL (m):** 7.6
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 14.9
- **Bottom (m):** 14.9
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Loose
- **from (m):** to 16.5

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 14.9 to 16.5
- **Size:** 0.01
- **Bottom (m):**
- **Open Hole (m):**

### Pump:
- **Model:**
- **Intake (m):** 12.2
- **Testing:**
- **Rate (lpm):** 16.0
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec’d intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **Database:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
<table>
<thead>
<tr>
<th><strong>General:</strong></th>
<th><strong>Depth Elevation</strong></th>
<th><strong>Lithologic Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(BGL) (AMSL)</td>
<td>(m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 32.0 (m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NPWL (m):</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **Casing:** | **(m) | (m) |** Lithologic Description |
|----------------|-----------------|------------------------|
| **Type:** Galvanized Steel | 6.1 | 716.9 | Clay Yellow |
| **Depth (m):** 28.4 | 18.9 | 704.1 | Clay Blue |
| **OD (mm):** 114.3 | 21.3 | 701.7 | Sand |
| **Thickness (mm):** | 22.9 | 700.1 | Clay Blue |
| **Seal Type:** Loose | 24.1 | 698.9 | Sand & Coal |
| **from (m):** to | 26.8 | 696.2 | Clay Blue |
| **29.6** | 29.6 | 693.4 | Sand & Coal |
| **32.0** | 32.0 | 691.0 | Clay Blue |

| **Liner:** | **(m) | (m) |** Lithologic Description |
|----------------|-----------------|------------------------|
| **Type:** St | | | |
| **OD (mm):** 0.9 | | | |
| **Thickness (mm):** | | | |
| **from (m):** to | | | |
| **28.4** | | | |
| **to** | | | |
| **29.6** | | | |
| **Size:** 0.01 | | | |

| **Screen:** | **(m) | (m) |** Lithologic Description |
|----------------|-----------------|------------------------|
| **Material:** Sf | | | |
| **OD (mm):** 0.9 | | | |
| **Thickness (mm):** | | | |
| **from (m):** to | | | |
| **28.4** | | | |
| **to** | | | |
| **29.6** | | | |
| **Size:** 0.01 | | | |

| **Pump:** | **(m) |(m) |** Lithologic Description |
|----------------|-----------------|------------------------|
| **Model:** | | | |
| **Intake (m):** | | | |
| **Testing:** | | | |
| **Rate (lpm):** 18.2 | | | |
| **Time (minute):** | | | |
| **1440.0** | | | |
| **Level End (m):** 23.8 | | | |
| **Drawdown (m):** | | | |
| **2.7** | | | |
| **Rec’d intake (m):** | | | |
| **Rec’d Rate (lpm):** | | | |

| **Laboratory:** | **(m) | (m) |** Lithologic Description |
|----------------|-----------------|------------------------|
| **pH (pH unit):** | | | |
| **Cond. (µS/cm):** | | | |
| **TDS:** | | | |
| **Sodium:** | | | |
| **Nitrate:** | | | |
| **Strontium:** | | | |
| **Potassium:** | | | |
| **Nitrite:** | | | |
| **Molybdenum:** | | | |
| **Calcium:** | | | |
| **TN:** | | | |
| **Vanadium:** | | | |
| **Magnesium:** | | | |
| **TC:** | | | |
| **Zinc:** | | | |
| **Carbonate:** | | | |
| **DIC:** | | | |
| **Hydroxide:** | | | |
| **Bicarbonate:** | | | |
| **Arsenic:** | | | |
| **Total Hardness:** | | | |
| **Aluminum:** | | | |
| **Barium:** | | | |
| **Manganese:** | | | |
| **Sulphate:** | | | |
| **Beryllium:** | | | |
| **Phosphate:** | | | |
| **Chloride:** | | | |
| **Cadium:** | | | |
| **Ion Balance:** | | | |
| **Fluoride:** | | | |
| **Chromium:** | | | |
| **Amm. Nitrogen:** | | | |
| **Iron:** | | | |
| **Cobalt:** | | | |
| **Total Phosphate:** | | | |
| **TOC:** | | | |
| **Copper:** | | | |
| **Total Alkalinity:** | | | |
| **Silica:** | | | |
| **Lead:** | | | |
| **Nitrate&Nitrite N:** | | | |

| **Remarks:** | | | |
|---------------|---------------|------------------------|
| **Chemical Constituents are in mg/l (ppm). Except as noted.** | | | |
| **Water Well Positioned by PFRA in 10TM NAD 27** | | | |
**SE 31-050-01 W5M**

**Well Owner:** Grove Realty  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 723  
**AEP:** 450935  
**Licence No.:**  
**Date Started:** 31 Jan 77  
**Easting:** 57,889.52  
**Northing:** 5,909,781.50  
**Date Completed:** 10 Feb 77

**General:**
- Type of Work: New Well  
- Drilling Method: Rotary  
- Well Use: Domestic  
- Completed Depth: 120.1 (m)  
- NPWL (m): 50.3  
- Verified NPWL (m):  
- Abandonment:  
- Type: Steel  
- Depth (m): 45.7  
- Bottom (m): 45.7  
- OD (mm): 141.2  
- Thickness (mm): 0.1  
- Seal Type: Formation Seal  
- from (m): to 75.3  
- Type: Torch  
- from (m): to 119.2  
- Size:  
- OD (mm): 115.8  
- Thickness (mm):  
- Top (m): Bottom (m): 119.2  
- Perforated How: Torch  
- from (m): to  
- Size:  
- from (m): to  
- Size:  
- Material:  
- OD (mm): from (m): to  
- Size:  
- from (m): to  
- Size:  
- Type:  
- from (m): to  
- Size:  
- from (m): to  
- Size:  
- from (m): to  
- Size:  
- Screen:  
- Bicarbonate:  
- Barium:  
- Sulphate:  
- Chloride:  
- Fluoride:  
- Iron:  
- TOC:  
- Silica:  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
- **BGL (m):**  
- **AMSL (m):**  
- **Lithologic Description:**
  - 4.6 718.4 Clay Sandy Yellow  
  - 9.1 713.9 Clay Blue  
  - 9.8 713.3 Sand & Coal  
  - 18.3 704.7 Clay Blue  
  - 28.4 694.7 Shale Sandy Gray  
  - 29.0 694.1 Shale Brown  
  - 32.0 691.0 Shale Sandy Gray  
  - 36.6 686.4 Shale Gray  
  - 37.5 685.5 Coal  
  - 48.8 674.2 Shale Gray  
  - 50.3 672.7 Shale Brown  
  - 50.9 672.1 Coal  
  - 56.1 666.9 Shale Gray  
  - 57.9 665.1 Shale Sandy Gray  
  - 59.4 663.6 Shale Brown  
  - 60.0 663.0 Coal  
  - 65.2 657.8 Shale Gray  
  - 74.4 648.6 Shale Sandy Gray  
  - 78.3 644.7 Shale Green  
  - 83.2 639.8 Shale Sandy Gray  
  - 85.0 638.0 Shale Green  
  - 85.3 637.7 Shale Gray  
  - 86.3 636.8 Shale Sandy Gray  
  - 87.5 635.5 Shale Gray  
  - 89.6 633.4 Shale Sandy Gray  
  - 96.3 626.7 Shale Green  
  - 102.1 620.9 Shale Sandy Gray  
  - 103.6 619.4 Shale Brittle Green  
  - 107.9 615.1 Shale Sandy Gray  
  - 111.3 611.8 Shale Gray  
  - 115.5 607.5 Shale Sandy Gray  
  - 120.1 602.9 Shale Green

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**General:**
- **Type of Work:** Spring
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m):
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - Depth (m):
  - Bottom (m):
  - OD (mm):
  - Thickness (mm):
  - Seal Type:
  - from (m):
  - to:

**Liner:**
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m):
  - to:
  - Size:
  - from (m):
  - to:
  - Size:
  - from (m):
  - to:
  - Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m):
  - to:
  - Size:
  - from (m):
  - to:
  - Size:

**Open Hole:**
- from (m):
- to:

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth (m):** 58,557.09
- **NPWL (m):** Unknown
- **Verified NPWL (m):** Unknown
- **Abandonment:** No

**Casing:**
- **Type:** Unknown
- **Depth (m):** Bottom (m): Unknown
- **OD (mm):** Thickness (mm): Unknown
- **Seal Type:** from (m): to

**Liner:**
- **Type:** Unknown
- **OD (mm):** Thickness (mm): Unknown
- **Top (m):** Bottom (m): Unknown
- **Perforated How:** from (m): to Size: Unknown
- **from (m):** to Size: Unknown
- **from (m):** to Size: Unknown

**Screen:**
- **Material:** Unknown
- **OD (mm):** from (m): to Size: Unknown
- **from (m):** to Size: Unknown

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Unknown
- **Intake (m):** Unknown

**Testing:**
- **Rate (lpm):** Unknown
- **Time (minute):** Unknown
- **Level End (m):** Drawdown (m): Unknown
- **Rec'd intake (m):** Rec’d Rate (lpm): Unknown

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**Well Number 04802**
**Well Owner:** Imperial Oil
**Drilling Contractor:** Unknown Driller
**Elevation (AMSL) (m):** 724
**Licence No.:** Easting: 56,557.09
**Date Started:** Northing: 5,810,617.34
**Date Completed:**

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<tr>
<th>Well Number</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
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<td>(No Lithologic Information Available)</td>
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**Database:** Project: 1.000H
**AEP Data:** Yes Well Field Verified: No
**Well Number:** 04803  
**Well Owner:** Berry, Bill  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<th>Depth</th>
<th>Elevation</th>
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<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Elevation (AMSL) (m):</strong> 732</td>
<td><strong>AEP:</strong> 450964</td>
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<td><strong>Easting:</strong> 58,385.62</td>
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<td><strong>Well Use:</strong> Domestic &amp; Stock</td>
<td><strong>Date Started:</strong> 10 Jul 84</td>
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<td><strong>Completed Depth:</strong> 118.9 (m)</td>
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<td><strong>NPWL (m):</strong> 36.6</td>
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<td><strong>Abandonment:</strong></td>
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<td>(m)</td>
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<td>from (m):</td>
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<td>from (m):</td>
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<td>from (m):</td>
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<td><strong>Screen:</strong></td>
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<td><strong>Material:</strong></td>
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<td><strong>Bottom (m):</strong></td>
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<td>from (m):</td>
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<td>from (m):</td>
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<td>from (m):</td>
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<td>from (m):</td>
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<td>from (m):</td>
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<td>from (m):</td>
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<td>to Size:</td>
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<td></td>
<td>from (m):</td>
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<td></td>
<td>from (m):</td>
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<td>to Size:</td>
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<tr>
<td></td>
<td>from (m):</td>
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<tr>
<td></td>
<td>to Size:</td>
<td>Shale Greenish Gray</td>
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</tbody>
</table>

**Open Hole:**
- **Material:**
- **OD (mm):**
- **Bottom (m):**
- **Top (m):**
- **Thicknes (mm):**
- **OD (mm):**

**Pump:**
- **Model:**
- **Intake (m):** 73.2
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 73.2
- **Drawdown (m):** 36.6
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- COD
- SAR
- TDS
- KTN
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminium
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphorus
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate
- Nitrite

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 32-050-01 W5M**

**Well Owner:** Koziey, Paul  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number</th>
<th>04804</th>
</tr>
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**Elevation (AMSL) (m):** 715  
**AEP:** 450958  
**License No.:**  
**Date Started:** 24 May 79  
**Date Completed:** 30 May 79  
**Easting:** 59,579.98  
**Northing:** 5,910,207.50

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<thead>
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<th>General:</th>
<th>Depth Elevation (BGL) (m)</th>
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<tbody>
<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
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<tr>
<td>Type of Work: New Well</td>
<td>(m) (m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>7.3 707.4 Clay Sandy Yellow</td>
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<td>Well Owner: AEP:Elevation (AMSL) (m):</td>
<td>17.7 697.0 Sand &amp; Coal</td>
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<td>Licence No.: Easting:</td>
<td>22.3 692.4 Clay Yellow</td>
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<td>Completed Depth 92.7 (m)</td>
<td>28.0 686.7 Shale Brownish Gray</td>
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<td>NPWL (m): 27.4</td>
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<td>Abandonment:</td>
<td>30.2 684.5 Sandstone</td>
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<td>Casing:</td>
<td>32.6 682.1 Shale Dark Gray</td>
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<td>Type: Steel</td>
<td>34.8 679.9 Shale &amp; Coal Brown</td>
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<td>Depth (m): 26.8</td>
<td>43.0 671.7 Shale Greenish Gray</td>
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<td>OD (mm): 141.2</td>
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<td>Thickness (mm):</td>
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<td>Seal Type: Driven</td>
<td>53.3 661.4 Shale Brownish Gray</td>
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<td>from (m): to 26.8</td>
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<td>OD (mm): 114.3</td>
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<td>92.7 622.0 Shale Greenish Gray</td>
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<td>from (m): 26.8 to 91.7</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>Open Hole:</td>
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<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>SAR (µS/cm)</td>
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<td>Iron</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silica</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**08-33-050-01 W5M**

**Well Number:** 04805

**Well Owner:** Everington, Art

**Drilling Contractor:** Parkland Drlg&Sales

**Elevation (AMSL) (m):** 712

**AEP:** 450970

**Licence No.:**

**Date Started:** 29 Jun 76

**Easting:** 61,408.81

**Date Completed:** 30 Jun 76

**Northing:** 5,810,099.50

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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 60.4 m
- **NPWL (m):** 45.7
- **Abandonment:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 60.4
  - **Bottom (m):** 60.4
  - **OD (mm):** 168.4
  - **Thickness (mm):**
    - from (m): to
    - from (m): to
    - from (m): to

### Casing:
- **Seal Type:**
  - **from (m):** to
- **Liner:
  - **Type:**
    - **OD (mm):**
      - from (m): to
      - from (m): to
      - from (m): to
    - **Perforated How:**
      - from (m): to
      - from (m): to
      - from (m): to

---

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to
    - from (m): to
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 5.7
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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</tr>
<tr>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Transmissivity:
- m²/day

### Storativity:
- 

### Electric Log: No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**  
Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**  
Completed Depth: **12.2** (m)  
NPWL (m): **2.4**  
Veriﬁed NPWL (m):  
Abandonment:  

**Casing:**  
Type: **Steel**  
Depth (m): **8.8**  
Bottom (m): **8.8**  
OD (mm): **115.8**  
Thickness (mm): **0.0**  
Seal Type: **Unknown**  
from (m): **to 4.6**  

**Liner:**  
Type:  
OD (mm):  
Thickness (mm):  
Top (m):  
Bottom (m):  
Perforated How:  
from (m): **to**  
from (m): **to**  
from (m): **to**  

**Screen:**  
Material: **St**  
OD (mm): **1.2**  
from (m): **8.8 to 10.1**  
Size: **0.01**  
from (m): **to**  
from (m): **to**  

**Open Hole:**  
from (m): **to**  

**Pump:**  
Model:  
Intake (m): **8.8**  

**Testing:**  
Rate (lpm): **54.7**  
Time (minute): **240.0**  
Level End (m): **8.8**  
Drawdown (m): **6.4**  
Rec’d intake (m): **12.2**  
Rec’d Rate (lpm):  

**Laboratory:**  
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<td>Lead</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted.  

**Remarks:**  

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**

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<th>Type of Work:</th>
<th>New Well</th>
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<tr>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<tr>
<td>Completed Depth</td>
<td>74.7 (m)</td>
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<tr>
<td>NPWL (m):</td>
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<td>Verified NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
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</table>

**Casing:**

| Type: | Steel |
| Depth (m): | 59.4 |
| Bottom (m): | 59.4 |
| OD (mm): | 115.8 |
| Thickness (mm): | 0.0 |
| Seal Type: | Drive Shoe |
| from (m): to | 59.4 |

**Liner:**

| Type: | |
| OD (mm): | |
| Thickness (mm): | |
| Top (m): Bottom (m): | |
| Perforated How: | |
| from (m): to | Size: |
| from (m): to | Size: |
| from (m): to | Size: |

**Screen:**

| Material: | |
| OD (mm): | |
| Thickness (mm): | |
| from (m): to | Size: |
| from (m): to | Size: |
| from (m): to | Size: |

**Open Hole:**

| from (m): to | |

**Pump:**

| Model: | Intake (m): 48.8 |

**Testing:**

| Rate (lpm): 45.6 | Time (minute): 480.0 |
| Level End (m): 48.8 | Drawdown (m): 13.7 |
| Rec'd intake (m): 51.8 | Rec'd Rate (lpm): |

**Lab:**

| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS: | TKN |
| Sodium: | Nitrate |
| Nitrite: | Strontium |
| Potassium: | Molybdenum |
| Calcium: | TN |
| Magnesium: | Vanadium |
| Carbonate: | TC |
| Bicarbonate: | Zinc |
| Arsenic: | Barium |
| Total Hardness: | Manganes |
| Sulphate: | Beryllium |
| Phosphate: | Cadmium |
| Phosphate: | Amm. Nitrogen |
| Chloride: | Chromium |
| Iron: | Cobalt |
| TOC: | Copper |
| Total Alkalinity: | Lead |
| Silica: | Nitrate&Nitrite |

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
**03-33-050-01 W5M**

**Well Number: 04808**

**Well Owner:** Polanuk, John  
**Drilling Contractor:** Grove Drilling Ltd

**Elevation (AMSL) (m):** 696  
**AEP:** 450981  
**Licence No.:** Easting: 60,624.46  
**Date Started:** Northing: 5,909,527.50  
**Date Completed:** 04 Jan 76

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 74.7 (m)  
- **NPWL (m):** 33.5  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 44.2  
- **Bottom (m):** 44.2  
- **OD (mm):** 115.8  
- **Thickness (mm):** 0.0  
- **Seal Type:** Drive Shoe  
- **from (m):** to 44.2

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):**  
- **to:**

### Pump:
- **Model:**  
- **Intake (m):** 41.2  
- **Rate (lpm):** 45.6  
- **Time (minute):** 240.0  
- **Level End (m):** 41.2  
- **Drawdown (m):** 7.6  
- **Rec'd intake (m):** 44.2  
- **Rec'd Rate (lpm):**

### Laboratory:

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**04-33-050-01 W5M**

**Well Owner:** Polanuk, John  
Drilling Contractor: Grove Drilling Ltd

**Well Number:** 04809

**Elevation (AMSL) (m):** 698  
**AEP:** 450984  
Licence No.: Easting: 60,075.85  
Date Started: Northing: 5,909,580.50  
Date Completed: 04 Jan 76

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary  
- **Well Use:** Domestic
- **Completed Depth:** 74.7 (m)  
- **NPWL (m):** 36.6  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 43.6  
- **Bottom (m):** 43.6
- **OD (mm):** 115.8  
- **Thickness (mm):** 0.0
- **Seal Type:** Drive Shoe
- **from (m):** to 43.6

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 43.6

### Testing:
- **Rate (lpm):** 11.4  
- **Time (minute):** 600.0
- **Level End (m):** 43.6  
- **Drawdown (m):** 7.0
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**AEP Data:** Yes  
**Well Field Verified:** No

**printed on 2/20/98**
**General:**
Type of Work: **New Well**
Drilling Method: **Rotary**
Well Use: **Domestic**
Completed Depth: **25.3** (m)
NPWL (m): Verified NPWL (m):
Abandonment:

**Casing:**
Type: **Steel**
Depth (m): **20.4**
Bottom (m): **20.4**
OD (mm): **115.8**
Thickness (mm): **0.0**
Seal Type: from (m): to

**Liner:**
Type: from (m): to
OD (mm): Thickness (mm): to
Top (m): Bottom (m):
Perforated How: from (m): to Size: from (m): to Size: from (m): to Size:

**Screen:**
Material: **St**
OD (mm): **0.9**
from (m): **23.8** to **25.3** Size: **0.01**
from (m): to Size:

**Open Hole:**
from (m): to

**Pump:**
Model: Intake (m): **7.6**

**Testing:**
Rate (lpm): **91.2**
Time (minute): **420.0**
Level End (m): Drawdown (m):
Rec'd intake (m): **19.8**
Rec'd Rate (lpm):

**Laboratory:**
pH (pH unit): **COD**
Cond. (µS/cm): **SAR**
TDS: **TKN**
Sodium: **Nitrate**
Potassium: **Nitrite**
Calcium: **TN**
Magnesium: **TC**
Carbonate: **DIC**
Bicarbonate: **Arsenic**
Aluminium: **Barium**
Sulphate: **Beryllium**
Chloride: **Cadmium**
Fluoride: **Chromium**
Iron: **Cobalt**
TOC: **Copper**
Silica: **Lead**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 04811**

**Well Owner:** Polniuk, John  
**Drilling Contractor:** Grove Drilling Ltd

**Elevation (AMSL) (m):** 720  
**AEP:** 451012  
**Licence No.:**  
**Date Started:**  
**Date Completed:** 01 Apr 80

---

### General

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 74.7 (m)  
**NPWL:** (m)  
**Abandonment:**

### Casing

- **Type:** Steel  
- **Depth (m):** 41.2  
- **Bottom (m):** 41.2  
- **OD (mm):** 115.8  
- **Thickness (mm):** 0.0  
- **Seal Type:** Driven  
  - from (m): to

### Liner

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**
  - from (m): to  
  - from (m): to  
  - from (m): to

### Screen

- **Material:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **from (m): to**  
- **from (m): to**  
- **from (m): to**

### Open Hole

- **from (m):**

### Pump

- **Model:**  
- **Intake (m):** 41.2

### Testing

- **Rate (lpm):** 6.8  
- **Time (minute):** 180.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory

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<td>Beryllium</td>
</tr>
<tr>
<td>Phosphate</td>
<td>Chloride</td>
</tr>
<tr>
<td>Sodium</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Ion Balance</td>
<td>Chromium</td>
</tr>
<tr>
<td>Vanadium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td>Silica</td>
</tr>
<tr>
<td>Lead</td>
<td>Total Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

### Electric Log

- **Transmissivity:** m³/day
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Project:**  
- **Database:** 1.000H

### AEP Data

- **Verified:** Yes  
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
**NE 33-050-01 W5M**

**Well Owner:** Driscoll, Leon  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 726  
**AEP:** 350697  
**Licence No.:** 61,170.60  
**Date Started:** 18 Sep 89  
**Northing:** 5,910,935.00  
**Date Completed:** 22 Sep 89

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 137.2 (m)  
- **NPWL (m):** 45.7  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casting:
- **Type:** Steel  
- **Depth (m):** 25.0  
- **Bottom (m):** 25.0  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 24.7

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 21.3  
- **Bottom (m):** 137.2  
- **Perforated How:**  
- **from (m):** to 131.1  
- **to:** 137.2  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub  
- **Gould**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 5.5  
- **Time (minute):** 300.0  
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 130.4  
- **Rec'd Rate (lpm):** 4.6

---

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N**

---

### Electric Log:
- **No**  
- **Transmissivity:** m²/day

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:** Database: 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**printed on 2/20/98**
### General:
- **Well Owner:** Everington, Arthur
- **Elevation (AMSL) (m):** 726
- **Licence No.:** Easting: 61,170.60
- **Date Started:** Northing: 5,810,935.00
- **Date Completed:**

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<th>Licence No.</th>
<th>Easting</th>
<th>Northing</th>
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<tbody>
<tr>
<td>451015</td>
<td>61,170.60</td>
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**Domestic**

<table>
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<tr>
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<th>Drilling Contractor</th>
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</thead>
<tbody>
<tr>
<td>04813</td>
<td>Everington Arthur</td>
<td>Unknown Driller</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Well Number</th>
<th>Well Owner</th>
<th>Drilling Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE 33-050-01 W5M</td>
<td>Everington Arthur</td>
<td>Unknown Driller</td>
</tr>
</tbody>
</table>

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):** 64.0
- **NPWL (m):** 6.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** Thickness (mm):
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Seal Type:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### Well Field Verified:
- **No**

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Water Well Positioned by PFRA in 10TM NAD 27**

- **Remarks:**

- **AEP Data:** Yes, Well Field Verified: No
### General:

- **Type of Work:** New Well  
- **Well Use:** Domestic  
- **Drilling Method:** Rotary  
- **Well Owner:** Allen, Dale  
- **Licence No.:** Easting: 60,259.24  
- **Elevation (AMSL) (m):** 715  
- **Date Started:** 09 Jan 87  
- **Elev. Depth (m):** 18.6  
- **Verified NPWL (m):** 18.6  
- **Date Completed:** 09 Jan 87  

### Casing:

- **Type:** Steel  
- **Depth (m):** 11.3  
- **Bottom (m):** 11.3  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 11.3

### Liner:

- **Type:** Steel  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Top (m):** 6.1  
- **Bottom (m):** 91.4  

### Perforated How:

- **Unknown**  
- **from (m):** to 85.3  
- **Bottom (m):** 91.4  
- **Size:**  

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**  
- **Intake (m):**  

### Testing:

- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 22.8

### Laboratory:

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<th>Value</th>
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<tbody>
<tr>
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<td>COD</td>
</tr>
<tr>
<td>pCO₂ (µS/cm)</td>
<td>SAR</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

### Electric Log:

- No  
- Transmissivity: m³/day

### Gamma Log:

- No  
- Storativity:

### Aquifer Test:

- No  
- Project: Database: 1.000H

### AEP Data:

- Yes  
- Well Field Verified: No
### General:
- **Type of Work:** Dry Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** Unknown
- **Abandonment:** Unknown 13 Dec 86

### Casing:
- **Type:** Steel
- **Depth (m):** 7.3
- **Bottom (m):** 7.3
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):**
- **to:** 7.3

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole:
- **Depth:**
- **Elevation:**
- **General:**
- **Drilling Method:**
- **Lithologic Description**

### Depth Elevation

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<th>m</th>
<th>(m)</th>
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<tbody>
<tr>
<td>6.7</td>
<td>710.2</td>
<td>Clay &amp; Sand</td>
</tr>
<tr>
<td>8.2</td>
<td>708.7</td>
<td>Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>9.1</td>
<td>707.8</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>9.8</td>
<td>707.2</td>
<td>Sandstone</td>
</tr>
<tr>
<td>14.9</td>
<td>702.0</td>
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<td>16.8</td>
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<td>18.3</td>
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<td>24.1</td>
<td>692.8</td>
<td>Sandstone</td>
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<tr>
<td>25.6</td>
<td>690.7</td>
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<tr>
<td>29.6</td>
<td>687.3</td>
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<tr>
<td>30.2</td>
<td>686.7</td>
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<td>30.8</td>
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<td>79.2</td>
<td>637.7</td>
<td>Sandstone</td>
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### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:

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<th>pH (pH unit)</th>
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<th>Mercury</th>
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<tr>
<td>SAR (µS/cm)</td>
<td>TKN</td>
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<tr>
<td>TDS</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Potassium</td>
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<tr>
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<td>Zinc</td>
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<td>DIC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.00H

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Well Number:** 04815

**Well Owner:** Allan, Dale

**Drilling Contractor:** Mid-West Drilling Ltd.

**Elevation (AMSL) (m):** 717

**AEP:** 450995

**Licence No.:**

**Easting:** 60,400.44

**Northing:** 5,810,056.83

**Date Started:** 12 Dec 86

**Date Completed:** 13 Dec 86

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
**WH 33-050-01 W5M**  

**Well Owner:** Allan, Dale  
**Drilling Contractor:** Mid-West Drilling Ltd.  

**Well Number:** 04816  
**Elevation (AMSL) (m):** 717  
**AEP:** 450992  
**Licence No.:** Easting: 60,400.44  
**Date Started:** 11 Dec 86  
**Nothing:** 5,810,056.83  
**Date Completed:** 11 Dec 86

---

**General:**  
**Type of Work:** Dry Hole-Abandoned  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 85.3 (m)  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:** Unknown  
**11 Dec 86**

**Casing:**  
**Type:** Steel  
**Depth (m):** 13.4  
**Bottom (m):** 13.4  
**OD (mm):** 141.2  
**Thickness (mm):** 0.1  
**Seal Type:** Driven  
**from (m):** to 13.4

**Liner:**  
**Type:**  
**OD (mm):**  
**Thickness (mm):**  
**Top (m):**  
**Bottom (m):**  
**Perforated How:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  
**Screen:**  
**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  
**Open Hole:**  
**from (m):**  
**Pump:**  
**Model:**  
**Intake (m):**  

**Testing:**  
**Rate (lpm):**  
**Time (minute):**  
**Level End (m):**  
**Drawdown (m):**  
**Rec’d intake (m):**  
**Rec’d Rate (lpm):**

---

**Laboratory:**  
**pH (pH unit):**  
**COD:** Mercury  
**Cond. (µS/cm):**  
**SAR:** Nickel  
**TDS:** TKN  
**Selenium:**  
**Sodium:** Nitrate  
**Strontium:**  
**Potassium:** Nitrite  
**Molybdenum:**  
**Calcium:** TN  
**Vanadium:**  
**Magnesium:** TC  
**Zinc:**  
**Carbonate:** DIC  
**Hydroxide:**  
**Bicarbonate:** Arsenic  
**Total Hardness:**  
**Aluminum:** Barium  
**Manganese:**  
**Sulphate:** Beryllium  
**Phosphate:**  
**Chloride:** Cadmium  
**Ion Balance:**  
**Fluoride:** Chromium  
**Amm. Nitrogen:**  
**Iron:** Cobalt  
**Total Phosphate:**  
**TOC:** Copper  
**Total Alkalinity:**  
**Silica:** Lead  
**Nitrate & Nitrite N:**

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

---

**Printed on:** 2/20/98
## General:
- **Type of Work:** Dry Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 121.9 m
- **Abandonment:** Unknown

## Casing:
- **Type:** Steel
- **Depth:** 13.4 m, Bottom: 13.4 m
- **OD (mm):** 141.2 mm, Thickness: 0.1 mm

## Liner:
- **Type:** Drive Shoe
- **OD (mm):** Thickness:
- **Top (m):** Bottom (m):

## Screen:
- **Material:**
- **OD (mm):** Thickness:
- **Top (m):** Bottom (m):

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log: No, Transmissivity: m²/day
## Gamma Log: No, Storativity:
## Aquifer Test: No, Project: Database: 1.000H
## AEP Data: Yes, Well Field Verified: No

---

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** 34.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 20.1
- **Bottom (m):** 20.1
- **OD (mm):** 90.4
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):** Thickness (mm):
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 13.7
  - **Time (minute):** 600.0
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
01-34-050-01 W5M

Well Owner: Raymond Rink
Drilling Contractor: Irmc Water Well Service & Supply Co. Ltd

**Well Number 04819**

**Elevation (AMSL) (m):** 710  
**AEP:** 451044  
**Licence No.:**  
**Date Started:** 26 Feb 75  
**Easting:** 63,113.59  
**Date Completed:** 02 Mar 75  
**Northing:** 5,909,517.00

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<td>DIC</td>
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<td><strong>Remarks:</strong></td>
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Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 121.9 m
  - NPWL (m): 39.6
  - Verified NPWL (m):
- **Abandonment:**
  - Depth (m):
  - OD (mm):
  - Thickness (mm):
  - Seal Type: Driven
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** 115.8
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 59.4
- **Perforated How:** Torch
  - from (m): 53.3 to 59.4
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 3.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):** 59.1
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** 1.000H
- **Gamma Log:**
- **Storage:**
- **Aquifer Test:** Yes
- **AEP Data:**
- **Database:**
- **Project:**
- **AEP Verification:**

### Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

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**Water Well Positioned by PFRA in 10TM NAD 27**

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**Remarks:**

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**Remarks:**

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**Remarks:**

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**Remarks:**

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**Remarks:**

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**Remarks:**

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**Well Information**

- **Well Owner:** Villeneuve, Henry
- **Drilling Contractor:** Unknown Driller
- **Well Number:** 04821
- **Elevation (AMSL) (m):** 717
- **AEP:** 451047
- **Date Started:**
- **Date Completed:**
- **Easting:** 61,578.97
- **Northing:** 5,910,388.00

### General

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 56.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

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<td>TDS</td>
<td>TKN, Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate, Strontium</td>
</tr>
<tr>
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<td>Nitrite, Molybdenum</td>
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<td>TC, Zinc</td>
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<td>DIC, Hydroxide</td>
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<tr>
<td>Silica</td>
<td>Lead, Nitrate &amp; Nitrite N</td>
</tr>
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</table>

*Chemical Constituents are in mg/l (ppm). Except as noted.*

### Electric Log

- **Transmissivity:** m²/day

### Gamma Log

- **Storativity:**

### Aquifer Test

- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 104.5 m
- **NPWL (m):** 29.6
- **Elevation (AMSL) (m):** 712
- **Licence No.:** Easting: 63,055.79
- **Date Started:** 25 Aug 86
- **Drilling Contractor:** Kap’S Drilling Ltd.
- **Date Completed:** 27 Aug 86
- **Elevation Depth (m):**
  - **General:**
  - **Type of Work:** New Well
  - **Drilling Method:** Rotary
  - **Well Use:** Domestic & Stock
  - **Completed Depth:** 104.5 m
  - **NPWL (m):** 29.6
  - **Elevation (AMSL) (m):** 712
  - **Licence No.:** Easting: 63,055.79
  - **Date Started:** 25 Aug 86
  - **Drilling Contractor:** Kap’S Drilling Ltd.
  - **Date Completed:** 27 Aug 86

### Lithologic Description
- **Type:**
  - Plastic
- **Depth (m):** 31.7
- **Bottom (m):** 31.7
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 31.7

### Liner:
- **Type:**
  - Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 57.3
- **Perforated How:** Machine
- **from (m):** to 57.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 57.9
- **Testing:**
  - **Rate (lpm):** 9.1
  - **Time (minute):** 180.0
  - **Level End (m):** 57.9
  - **Drawdown (m):** 28.4
  - **Rec’d intake (m):** 56.4
  - **Rec’d Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N
- **DIC:** Hydroxide
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 34-050-01 W5M**

**Well Owner:** Propp, Carlos  
**Drilling Contractor:** Seis-Test

**Well Number:** 04823  
**Elevation (AMSL) (m):** 709  
**AEP:** 451043  
**Licence No.:** Easting: 63,114.03  
**Date Started:** 29 Jun 76  
**No.:** Northing: 5,909,513.50  
**Date Completed:** 03 Jul 76

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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**Abandonment:**

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**Casing:**
- **Type:** Steel  
- **OD (mm):** 115.8  
- **Thickness (mm):** 0.1

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**Liner:**
- **Type:** Torch  
- **OD (mm):** 115.8  
- **Thickness (mm):** 80.8

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<th>to 79.2</th>
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**Screen:**
- **Material:**  
- **OD (mm):**  
- **Thickness (mm):**

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<th>from (m):</th>
<th>to Size:</th>
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**Open Hole:**
- **from (m):**
- **Pump:**
  - **Model:**  
  - **Intake (m):** 44.2

**Testing:**
- **Rate (lpm):** 18.2  
- **Time (minute):** 320.0

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**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** KTN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
13-35-050-01 W5M

Well Owner: Wagner, Harvey
Drilling Contractor: Kc Drilling (Leduc)

Well Number: 04824
Elevation (AMSL) (m): 704
AEP: 451052
Licence No.: Easting: 63,314.27
Date Started: Northing: 5,911,021.00
Date Completed: 20 Jul 78

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Stock
Completed Depth 4.3 (m)
NPWL (m): .3
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 3.1 Bottom (m): 3.1
OD (mm): 609.6 Thickness (mm):
Seal Type: from (m): to

Liner:
Type: from (m): to Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: from (m): to Size:
OD (mm):

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 45.6 Time (minute): 210.0
Level End (m): Drawdown (m):
Rec’d intake (m): 2.4 Rec’d Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

AEP Data: Yes Well Field Verified: No
Database: Project: 1.000H

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 53.0 (m)  
**NPWL (m):** 20.7  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 21.3  
**Bottom (m):** 21.3  
**OD (mm):** 90.4  
**Thickness (mm):**

**Seal Type:** Driven

**from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**

- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 18.2  
**Time (minute):** 360.0  
**Level End (m):**

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

**Laboratory:**

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<th>COD</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation**

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tr>
<td>Sand</td>
<td>4.9</td>
<td>704.0</td>
</tr>
<tr>
<td>Clay &amp; Boulders</td>
<td>19.8</td>
<td>689.1</td>
</tr>
<tr>
<td>Hard Pan</td>
<td>30.2</td>
<td>678.7</td>
</tr>
<tr>
<td>Rocks</td>
<td>30.5</td>
<td>678.4</td>
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<td>Hard Pan</td>
<td>50.6</td>
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<tr>
<td>Rocks</td>
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**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

---

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 16.8
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 36.0
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 36.0

### Liner:
- **Type:**
- **OD (mm):** 115.8
- **Thickness (mm):** 0.1
- **Top (m):** 33.5
- **Bottom (m):** 79.2
- **Perforated How:** Torch
- **from (m):** to 67.1
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
- **Model:**
- **Intake (m):** 36.6
- **Testing:**
  - **Rate (lpm):** 27.4
  - **Time (minute):** 1200.0
  - **Level End (m):** 36.6
  - **Drawdown (m):** 19.8
  - **Rec'd int (m):** 48.8
  - **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

#### Depth Elevation

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<th>Elevation (AMSL)</th>
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<td>(m)</td>
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<tr>
<td>1.8</td>
<td>707.7</td>
<td>Sand &amp; Boulders</td>
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<tr>
<td>2.4</td>
<td>707.1</td>
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<td>2.7</td>
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<td>5.2</td>
<td>704.4</td>
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<td>18.9</td>
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<td>52.1</td>
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<td>Shale Blue</td>
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<td>58.2</td>
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<tr>
<td>64.0</td>
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<tr>
<td>79.2</td>
<td>630.3</td>
<td>Shale &amp; Sandstone Gray</td>
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---

#### Electric Log: No  Transmissivity: m²/day
Gamma Log: No  Storativity: 
Aquifer Test: No  Project: 
AEP Data: Yes  Database: 1.000H
Well Field Verified: No
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic

<table>
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<th>Completed Depth</th>
<th>NPWL (m)</th>
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**Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Strontium:**
- **Selenium:**
- **Nitrate:**
- **Molybdenum:**
- **Lead:**
- **Magnesium:**
- **Iron:**
- **Zinc:**
- **Calcium:**
- **Magnesium:**
- **Chloride:**
- **Bicarbonate:**
- **Sulphate:**
- **Aluminium:**
- **Barium:**
- **Nickel:**
- **Manganese:**
- **Molybdenum:**
- **Lead:**
- **Nickel:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 42.7 m
- **NPWL (m):** 14.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth:** 16.8 m, **Bottom:** 16.8 m
- **OD (mm):** 115.8 mm, **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to

### Screen:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** to **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** to **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 240.0
- **Level End (m):** 20.7
- **Drawdown (m):** 6.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 05061**

**Elevation (AMSL) (m): 695**

**AEP: 451516**

**Licence No.:**

**Easting:** 51,447.55

**Northing:** 5,810,536.50

**Date Started:**

**Date Completed:** 08 Nov 72

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
  - NPWL (m): 6.7
  - Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 39.6
  - **Bottom (m):** 39.6
  - **OD (mm):** Thickness (mm):
- **Seal Type:** Driven
  - from (m): to

### Liner:

- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:

- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:

- OD (mm):
  - from (m): to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):** 31.1
  - **Drawdown (m):** 24.4
  - **Rec'd intake (m):**

### Laboratory:

- **pH (pH unit):**
  - **COD:**
  - **SAR:**
  - **TDS:**
  - **TKN:**
  - **Sodium:**
  - **Nitrate:**
  - **Strontium:**
  - **Potassium:**
  - **Nitrite:**
  - **Molybdenum:**
  - **Calcium:**
  - **Nitrate:**
  - **Phosphate:**
  - **Magnesium:**
  - **Vanadium:**
  - **Aluminum:**
  - **Manganese:**
  - **Sulphate:**
  - **Beryllium:**
  - **Phosphorus:**
  - **Chloride:**
  - **Cadmium:**
  - **Iron:**
  - **Barium:**
  - **Iron:**
  - **Manganese:**
  - **Iron:**
  - **Manganese:**

### Electric Log:

- **Transmissivity:** m²/day
  - **Gamma Log:** storativity:

### Aquifer Test:

- **Project:** Database: 1.000H

### AEP Data:

- **Database:** Yes
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**printed on 2/20/98**
### NE 34-050-02 W5M

**Well Owner:** Fording Coal #Hole 3404-2  
**Drilling Contractor:** Hirate Drilling 1985 Ltd.

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<th>Elevation</th>
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<td>Well Use: Industrial</td>
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<td>Completed Depth 150.9 (m)</td>
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<td>Verified NPWL (m):</td>
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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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printed on 2/20/98
**NE 34-050-02 W5M**

**Well Owner:** Hutton, D  
**Drilling Contractor:** Unknown Driller

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 108.8 (m)  
- **NPWL (m):** 53.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**
- **Type:** Steel  
- **Depth (m):** 59.7  
- **Bottom (m):** 59.7  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven & Formation P  
- **from (m):** to 59.7  

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 59.7  
- **Bottom (m):** 108.8  
- **Perforated How:** Torch  
- **from (m):** to 108.8  
- **Size:**  
- **from (m):** to  
- **from (m):** to  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):** 73.2  

**Testing:**
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 73.2  
- **Drawdown (m):** 19.8  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number: 05066**

**Elevation (AMSL) (m):** 716  
**AEP: 363739**  
** Licence No.:**  
**Easting:** 53.040.04  
**Date Started:** 22 Aug 86  
**Northing:** 5,910,820.50  
**Date Completed:** 26 Aug 86

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
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<td>709.9</td>
<td>Clay Sandy Yellow</td>
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</table>

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**NW 35-050-02 W5M**

**Well Number:** 05067

**Well Owner:** Radovanovic, Antoia

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 717

**AEP:** 350646

**Licence No.:**

**Date Started:** 19 Mar 90

**Nortthing:** 5,910,377.73

**Date Completed:** 19 Mar 90

---

### General:

- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 115.8 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Unknown

### Casing:

- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

### Liner:

- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

### Screen:

- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):**

### Laboratory:

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### Depth Elevation (BGL) (AMSL)

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### Lithologic Description

- 2.4 715.0 Clay Sandy Yellow
- 4.3 713.2 Sand
- 6.1 711.4 Sand Yellow
- 6.4 711.1 Coal
- 7.6 709.9 Sandstone
- 24.7 692.8 Shale Brown
- 25.0 692.5 Coal
- 26.5 691.0 Shale Gray
- 27.1 690.4 Shale & Coal Brown
- 32.9 684.6 Shale Gray
- 34.4 683.0 Shale & Coal Brown
- 34.8 682.7 Shale Gray
- 35.7 681.8 Shale & Coal Brown
- 36.6 680.9 Shale Gray
- 36.9 680.6 Coal
- 45.1 672.4 Shale Sandy Gray
- 46.0 671.5 Shale Brown
- 50.9 666.6 Shale Gray
- 54.9 662.6 Shale Gray
- 67.1 650.4 Sand Gray
- 88.4 629.1 Shale Green
- 96.3 621.2 Sand Gray
- 112.8 604.7 Shale Sandy Green
- 115.8 601.7 Shale

### Electric Log:

- No

### Gamma Log:

- No

### Aquifer Test:

- No

### AEP Data:

- Yes

### Database:

- 1.000H

---

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:

- **Well Owner:** Radovanovic, Bob
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### Well Number: NW 35-050-02 W5M

- **Elevation (AMSL) (m):** 717
- **AEP:** 350647
- **Licence No.:** Easting: 55,899.69
- **Date Started:** 28 Mar 90
- **Nothing:** Northing: 5,916,377.73
- **Date Completed:** 28 Mar 90

### Depth Elevation

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### Water Well Positioned by Mow-Tech in 10TM NAD 27

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<th>Laboratory Test</th>
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<td>Cond. (µS/cm)</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Electric Log: No  
- Transmissivity: m²/day
- Gamma Log: No  
- Storativity: 
- Aquifer Test: No  
- Project:  
- Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No
**Well Number 05069**

- **Well Owner:** Hydrogeological Cons
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 714
- **AEP:** 451612
- **Date Started:** 26 Feb 75
- **Date Completed:**
- **Licence No.:** Easting: 55,865.35
- **Northing:** 5,910,208.50

### General
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Unknown
- **Completed Depth:** 3.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

#### Liner
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

#### Screen
- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

#### Open Hole
- **from (m):** to

#### Pump
- **Model:**
- **Intake (m):**

#### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

#### Laboratory
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

#### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 101.8 (m)
- **NPWL (m):** 39.6
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Steel
- **Depth (m):** 63.7
- **Bottom (m):** 63.7
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven & Formation P
- **from (m):** to 63.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 100.9
- **Perforated How:** Torch
- **from (m):** 63.7 to 100.9
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 67.1

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 61.0
- **Drawdown (m):** 27.4
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **Selenium:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Phosphate:**
- **Chloride:**
- **Ion Balance:**
- **Fluoride:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 65.2 m (m)
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:** 

#### Casing:
- **Type:** Steel
- **Depth (m):** 12.2
- **Bottom (m):** 12.2
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Formation P
- **from (m):** to 12.2

#### Liner:
- **Type:** 
- **OD (mm):** 114.3
- **Thickness (mm):** 
- **Top (m):** Bottom (m): 64.3

#### Perforated How:
- **Torch**
- **from (m):** to 64.3
- **Size: to Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Intake (m): 48.8
- **Testing:**
- **Rate (lpm):** 6.8
- **Time (minute):** 420.0
- **Level End (m):** Drawdown (m): Rec'd intake (m):
- **Rec'd Rate (lpm):**

#### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR Nickle
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **DIC:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Aluminium:** Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 36-050-02 W5M**

Well Owner: Grove Realty

Drilling Contractor: McGinn, Gerald Drilling Ltd.

**Well Number 05073**

Elevation (AMSL) (m): 729  
AEP: 451604  
Licence No.:  
Date Started: 19 Mar 75  
Easting: 56,297.16  
Date Completed: 20 Mar 75  
Northing: 5,310,855.50

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 65.2 (m)  
  - NPWL (m): 3.1  
  - Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 9.1  
  - Bottom (m): 9.1  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven & Formation P  
- **from (m):** to 9.1

### Liner:
- **Type:**  
- **OD (mm):**  
  - Thickness (mm):  
  - **Top (m):**  
  - **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** to 9.1  
  - **Size:** 0.01  
- **from (m):** to  
- **Size:**  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 7.6  
- **Rate (lpm):** 13.7  
- **Time (minute):** 420.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

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### Testing:
- **Intake (m):** 7.6  
- **Rate (lpm):** 13.7  
- **Time (minute):** 420.0  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:** Stoarativity:

### Aquifer Test:
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 10.7 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 6.4
- **Bottom (m):** 6.4
- **OD (mm):** 114.3
- **Thickness (mm):**
  - **Seal Type:** from (m): to
  - **Top (m):**
  - **Bottom (m):**

### Liner:
- **Type:** St
- **OD (mm):** 1.2
- **Thickness (mm):**
  - **from (m):** 6.4 to 7.9
  - **Size:** 0.01
  - **from (m):** to

### Screen:
- **Material:** St
- **OD (mm):** 6.4
- **Top (m):**
- **Bottom (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 5.2

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 5.2
- **Drawdown (m):** 2.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 13.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
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- **Vanadium:**
- **Zinc:**
- **Sodium:**
- **Magnesium:**
- **Barium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrites:**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

*printed on 2/20/98*
**NE 36-050-02 W5M**

**Well Number:** 05076

**Well Owner:** Vidler, Allen

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 92.7 (m)
- **NPWL (m):** 42.7
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 69.2
  - **Bottom (m):** 69.2
  - **OD (mm):** 141.2
  - **Thickness (mm):**
  - **Seal Type:** Driven & Formation P
  - **from (m):** to 69.2
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):**
  - **Top (m):** 69.2
  - **Bottom (m):** 91.7
- **Perforated How:** Torch
  - **from (m):** 69.2
  - **to:** 91.7
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 48.8
- **Testing:**
  - **Rate (lpm):** 34.2
  - **Time (minute):** 420.0
  - **Level End (m):** 48.8
  - **Drawdown (m):** 6.1
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbone:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
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- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Lithologic Description

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### Depths and Elevations
- **Well Number:** 05077
- **Elevation (AMSL) (m):** 721
- **AEP:** 451601
- **Licence No.:** Easting: 55,967.82
- **Date Started:** 05 Sep 89
- **Nothong:** 5,910,449.50
- **Date Completed:** 07 Sep 89

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<td>Amm. Nitrogen</td>
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<tr>
<td>Total Alkalinity</td>
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<tr>
<td>Nitrate &amp; Nitrite</td>
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<tr>
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<tr>
<td>Copper</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td></td>
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</table>

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
## General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m):
  - Verified NPWL (m):
- **Abandonment:**

## Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m):
  - to

## Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

## Screen:

- **Material:**
- **OD (mm):**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

## Open Hole:

- **from (m):** to

## Pump:

- **Model:**
- **Intake (m):**

## Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Depth Elevation

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(BGL) (AMSL)</th>
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<tr>
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<td>(m)</td>
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</table>

## Electric Log:

- **Transmissivity:** m³/day

## Gamma Log:

- **Storativity:**

## Aquifer Test:

- **Project:**
- **Database:** 1.000H

## AEP Data:

- **Yes**
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 137.2 (m)
  - **NPWL (m):** 55,225.49
  - **Verified NPWL (m):** 55,225.49
- **Abandonment:**
- **Date Started:** 21 May 86
- **Date Completed:**

### Casing:
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m): to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
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<th>Parameter</th>
<th>Unit</th>
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<td>TDS</td>
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<td>Cadmium</td>
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<td>Ion Balance</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
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</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H
  - **Project:**
  - **AEP Data:** Yes
  - Well Field Verified: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

printed on 2/20/98
**NW 36-050-02 W5M**

**Well Number:** 05080

**Well Owner:** Grove Realty

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 74.4 m (m)
  - **NPWL (m):** Veriﬁed NPWL (m): 
- **Abandonment:**
- **Casing:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 63.1 m
  - **Bottom (m):** 63.1 m
  - **OD (mm):** 114.3 mm
  - **Thickness (mm):** 0.1 m
- **Seal Type:** Driven & Formation P
  - **from (m):** to 63.1 m

**Liner:**
- **Type:**
  - **OD (mm):** 90.4 mm
  - **Thickness (mm):** 
  - **Top (m):** Bottom (m): 73.5 m

**Perforated How:** Torch
  - **from (m):** to 73.5 m
  - **Size:** 
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):** 
  - **Thickness (mm):** 
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to 

**Pump:**
- **Model:**
- **Intake (m):** 45.7 m

**Testing:**
- **Rate (lpm):** 16.0
  - **Time (minute):** 180.0
- **Level End (m):** Drawdown (m): 
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<thead>
<tr>
<th>Depth Elevation (BGL) (mS)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>8.5</td>
<td>713.1 Clay &amp; Sand</td>
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<td>11.0</td>
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<td>12.2</td>
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<td>702.1 Shale Sandy Gray</td>
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<td>21.3</td>
<td>700.3 Shale Gray</td>
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<td>25.3</td>
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<td>25.9</td>
<td>695.7 Shale &amp; Coal Brown</td>
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<td>29.9</td>
<td>691.8 Shale Gray</td>
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<td>32.9</td>
<td>688.7 Shale Brittle Brown</td>
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<tr>
<td>36.0</td>
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<td>36.9</td>
<td>684.8 Shale &amp; Coal Brown</td>
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<td>74.4</td>
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**Electric Log:** No  **Transmissivity:** m³/day
- Gamma Log: No  **Storativity:**
- Aquifer Test: No  **Project:** Database: 1.000H
- AEP Data: Yes  **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 92.7 m
- **Elevation (AMSL):** 39.6 m
- **NPWL (m):** 39.6
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 43.0
- **Bottom (m):** 43.0
- **OD (mm):** 139.7
- **Thickness (mm):**
- **Seal Type:** Driven & Formation P
- **from (m):**
- **to:** 43.0

#### Liner:
- **Type:**
- **OD (mm):** 115.8
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 91.7

#### Perforated How:
- **Torch**
- **from (m):**
- **to:** 91.7
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:** Size
- **from (m):**
- **to:** Size

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Model:**
- **Rate (lpm):** 9.1
- **Intake (m):** 67.1
- **Testing:**
- **Time (minute):** 420.0
- **Level End (m):** 67.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Conc. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation (BGL) (AMSL):
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<th>(m)</th>
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### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No
**NW 36-050-02 W5M**

**Well Owner:** Miller, Bill  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 719  
**Licence No.:** 451597  
**Date Started:**  
**Date Completed:**  
**Easting:** 55,225.49  
**Northing:** 5,810,633.50

---

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 30.5 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**  
- **Perforated How:**  
- **from (m):** to **Size:**  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**  
- **Perforated How:**  
- **from (m):** to **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

---

**printed on:** 2/20/98
**NW 36-050-02 W5M**

**Well Owner:** Rebus, John  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 719  
**AEP:** 451593  
**Date Started:**  
**Easting:** 55,225.49  
**Date Completed:**  
**Northing:** 5,910,633.50

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 10.7 (m)  
- **NPWL (m):** 6.1  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing
- **Type:**  
- **Bottom (m):**  
- **Thickness (mm):**  
- **OD (mm):**  
- **Seal Type:** from (m): to

### Liner
- **Type:**  
- **Top (m):**  
- **Bottom (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Perforated How:** from (m): to Size:  
- **Size:** from (m): to  
- **Size:** from (m): to

### Screen
- **Material:**  
- **OD (mm):**  
- **Bottom (m):**  
- **Top (m):**  
- **Thickness (mm):**  
- **Size:** from (m): to  
- **Size:** from (m): to  
- **Size:** from (m): to

### Open Hole
- **from (m):** to

### Pump
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **TC:**  
- **DIC:**  
- **Strontium:**  
- **Chloride:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Vanadium:**  
- **Aluminum:**  
- **Manganese:**  
- **Barium:**  
- **Sulphate:**  
- **Selenium:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chromium:**  
- **Cadmium:**  
- **Cadmium:**  
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- **Iron:**  
- **Cobalt:**  
- **Iron:**  
- **Copper:**  
- **Iron:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**

### Testing
- **Electric Log:** No  
- **Transmissivity:** m³/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
Well Number: 05084

SE 36-050-02 W5M

Well Owner: Focht, Wilf
Drilling Contractor: Kap’S Drilling Ltd.

Elevation (AMSL) (m): 719
AEP: 451531
Licence No.: Easting: 56,616.39
Date Started: 21 May 86 Northing: 5,909,907.00
Date Completed: 29 May 86

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 130.1 (m)
NPWL (m): 64.0 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 61.0 Bottom (m): 61.0
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 61.0

Liner:
Type: OD (mm): 114.3 Thickness (mm):
Top (m): to 130.1 Bottom (m):
Perforated How: Machine
from (m): to 130.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 128.0

Testing:
Rate (lpm): Time (minute): 240.0
Level End (m): 128.0 Drawdown (m): 33.5
Rec’d intake (m): Rec’d Rate (lpm): 4.6

Laboratory:

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<th>Value (mg/l)</th>
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<td>Nitrate&amp;Nitrite N</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Water Well Positioned by PFRA in 10TM NAD 27
**SE 36-050-02 W5M**

**Well Owner:** Hinterschuster, Josef  
**Drilling Contractor:** Unknown Driller  

**Well Number:** 05085  
**Elevation (AMSL) (m):** 719  
**AEP:** 451529  
**Licence No.:** 7719  
**Easting:** 56,594.62  
**Date Started:**  
**Northing:** 5,909,800.00  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth (m):**  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):**  
- **Bottom (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**

### Testing:
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SE 36-050-02 W5M**

**Well Owner:** Oberg, Leslie  
**Drilling Contractor:** Unknown Driller

**Well Number:** 05086  
**Elevation (AMSL) (m):** 719  
**AEP:** 451527  
**Licence No.:** Easting: 56,594.62  
**Date Started:** Northing: 5,908,800.00  
**Date Completed:** 02 Feb 84

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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 112.8 m
- **NPWL (m):** 26.8
- **Verified NPWL (m):** 112.8

### Casing:
- **Type:** Steel
- **Depth (m):** 19.2
- **Bottom (m):** 19.2
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 19.2

### Liner:
- **Type:** Driven
- **OD (mm):** 115.8
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 112.8

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Sub
- **Intake (m):** 112.8

### Testing:
- **Rate (lpm):** 4.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 91.4
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Total Alkalinity:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Lithologic Description:
- **BGL (m):**
- **AMSL (m):**
- **Type:**
- **Description:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **To:**
- **From:**

### Chemical Constituents:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 05315**

**Well Owner:** Mcdougall, Gary  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 706  
**AEP:** 366251  
**Licence No.:**  
**Date Started:** 11 Aug 92  
**Date Completed:** 12 Aug 92

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<tr>
<td>Clay Gray</td>
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<td>Sandstone</td>
<td>55.5</td>
<td>650.5</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Laboratory:**

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

Chemical Constituents are in mg/l (ppm). Except as noted.
**SW 31-050-03 W5M**

**Well Owner:** Moquin, J  
**Drilling Contractor:** Kap'S Drilling Ltd.

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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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**Abandonment:**
- **Type:** Steel

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**Seal Type:**
- from (m): to

**Liner:**
- **Type:**

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<th>Bottom (m):</th>
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**Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- **Material:** St

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**Open Hole:**
- from (m): to

**Pump:**
- **Model:**  
- **Intake (m):** 6.7

**Testing:**
- **Rate (lpm):** 13.7  
- **Time (minute):** 120.0

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**Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

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<table>
<thead>
<tr>
<th>Carbonate:</th>
<th>DIC:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Hydroxide</td>
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<table>
<thead>
<tr>
<th>Bicarbonate:</th>
<th>Arsenic:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Total Hardness</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Aluminium:</th>
<th>Barium:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Manganese</td>
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<table>
<thead>
<tr>
<th>Sulphate:</th>
<th>Beryllium:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Phosphate</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Chloride:</th>
<th>Cadmium:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ion Balance</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fluoride:</th>
<th>Chromium:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amm. Nitrogen</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Iron:</th>
<th>Cobalt:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Phosphate</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOC:</th>
<th>Copper:</th>
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<tbody>
<tr>
<td></td>
<td>Total Alkalinity</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Silicon:</th>
<th>Lead:</th>
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<tbody>
<tr>
<td></td>
<td>Nitrate&amp;Nitrite N</td>
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<table>
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<tr>
<th>Electric Log:</th>
<th>Transmissivity:</th>
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<tbody>
<tr>
<td>No</td>
<td>m³/day</td>
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<table>
<thead>
<tr>
<th>Gamma Log:</th>
<th>Storativity:</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Aquifer Test:</th>
<th>TOC:</th>
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<tbody>
<tr>
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</tr>
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<table>
<thead>
<tr>
<th>Project:</th>
<th>Database:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.000H</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Database:**
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Elevation (AMSL) (m):** 682  
**AEP:** 365241

**Licence No.:**  
**Easting:** 37,915.60  
**Northing:** 5,909,876.50

**Date Started:** 26 May 81  
**Date Completed:** 26 May 81

**Printed on:** 2/20/98
### General Information

<table>
<thead>
<tr>
<th>Well Number:</th>
<th>05371</th>
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<tr>
<td>Well Owner:</td>
<td>Esch Realty</td>
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<tr>
<td>Drilling Contractor:</td>
<td>Grove Drilling Ltd</td>
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<tr>
<td>Elevation (AMSL) (m):</td>
<td>751</td>
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<tr>
<td>AEP:</td>
<td>410690</td>
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<td>Licence No.:</td>
<td>27,732,54</td>
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<tr>
<td>Date Started:</td>
<td>09 Sep 77</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>11 Sep 77</td>
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<tr>
<td>Well Use:</td>
<td>New Well</td>
</tr>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
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<tr>
<td>Well Use:</td>
<td>Investigation</td>
</tr>
<tr>
<td>Completed Depth:</td>
<td>27.4 (m)</td>
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<tr>
<td>NPWL (m):</td>
<td>3.8</td>
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<tr>
<td>Verified NPWL (m):</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
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### Casings

<table>
<thead>
<tr>
<th>Type:</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (m):</td>
<td>26.2</td>
</tr>
<tr>
<td>Bottom (m):</td>
<td>26.2</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>114.3</td>
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<tr>
<td>Thickness (mm):</td>
<td>0.0</td>
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<tr>
<td>Seal Type:</td>
<td>Unknown</td>
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<tr>
<td>from (m):</td>
<td>to 18.3</td>
</tr>
</tbody>
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### Liners

<table>
<thead>
<tr>
<th>Type:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td></td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
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### Screen

<table>
<thead>
<tr>
<th>Material:</th>
<th>St</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>1.2</td>
</tr>
<tr>
<td>from (m): to 25.0</td>
<td>Size: 0.01</td>
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<tr>
<td>from (m): to Size:</td>
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### Open Hole

<table>
<thead>
<tr>
<th>from (m): to</th>
</tr>
</thead>
</table>

### Pump

| Model: | Intake (m): 22.9 |

### Testing

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>22.8</th>
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<tbody>
<tr>
<td>Time (minute):</td>
<td>600.0</td>
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<tr>
<td>Level End (m):</td>
<td>22.9</td>
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<tr>
<td>Drawdown (m):</td>
<td>5.2</td>
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<tr>
<td>Rec'd intake (m):</td>
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</tbody>
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### Laboratory

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
<th>Mercury</th>
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</thead>
<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS:</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium:</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium:</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium:</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium:</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate:</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate:</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum:</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate:</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride:</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride:</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron:</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica:</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

### Remarks

- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.4</td>
<td>730.7</td>
<td>Clay</td>
</tr>
<tr>
<td>27.4</td>
<td>723.7</td>
<td>Shale</td>
</tr>
</tbody>
</table>

### Electric Log

- No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth (m):** 96.3
- **NPWL (m):** 22.9
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 62.5
- **Bottom (m):** 62.5
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Loose
- **from (m):** to 62.5

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):** 62.5
- **Bottom (m):** 96.3

**Perforated How:** Torch
- **from (m):** to 96.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 34.2
- **Time (minute):** 420.0
- **Level End (m):** 38.1
- **Drawdown (m):** 15.2
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>3.7</td>
<td>712.2</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>9.8</td>
<td>706.1</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>10.4</td>
<td>705.5</td>
<td>Coal</td>
</tr>
<tr>
<td>11.0</td>
<td>704.9</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>12.2</td>
<td>703.7</td>
<td>Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>16.8</td>
<td>699.1</td>
<td>Shale Brown</td>
</tr>
<tr>
<td>17.7</td>
<td>698.2</td>
<td>Coal</td>
</tr>
<tr>
<td>34.4</td>
<td>681.4</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>36.6</td>
<td>679.3</td>
<td>Shale Brittle Green</td>
</tr>
<tr>
<td>42.7</td>
<td>673.2</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>43.3</td>
<td>672.6</td>
<td>Shale Dark Gray</td>
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<tr>
<td>44.5</td>
<td>671.3</td>
<td>Sandstone</td>
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<td>48.5</td>
<td>667.4</td>
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<tr>
<td>64.0</td>
<td>651.8</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>65.2</td>
<td>650.6</td>
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</tr>
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<td>66.8</td>
<td>649.1</td>
<td>Shale Brittle</td>
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<tr>
<td>68.0</td>
<td>647.9</td>
<td>Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>83.8</td>
<td>632.0</td>
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<tr>
<td>86.0</td>
<td>629.9</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>86.9</td>
<td>629.0</td>
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<tr>
<td>89.9</td>
<td>625.9</td>
<td>Shale &amp; Coal Brown</td>
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<tr>
<td>96.3</td>
<td>619.5</td>
<td>Shale Gray</td>
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</table>

**Electric Log:** No  **Transmissivity:** m²/day  **Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Project:** Database: 1.000H

**AEP Data:** Yes  **Well Field Verified:** No
## General:

- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 15.2 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to  

### Liner:

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  

### Screen:

- **Material:**  
- **OD (mm):** from (m): to **Size:**  
- **Thickness (mm):** from (m): to **Size:**  

### Open Hole:

- **from (m):** to  

### Pump:

- **Model:**  
- **Intake (m):**  

### Testing:

- **Testing:**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:

- **pH (pH unit):** 7.10  
- **COD:** Mercury  
- **Cond. (µS/cm):** 1320  
- **SAR:** Nickel  
- **TDS:** 450.0  
- **TKN:** 0.02  
- **Selenium:**  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** 108.02  
- **TN:** Vanadium  
- **Magnesium:** 44.02  
- **TC:** Zinc  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:** 450.00  
- **Aluminium:** Barium  
- **Manganese:**  
- **Barium:** Sulphate 284.82  
- **Phosphate:**  
- **Cadmium:** Chloride 3.90  
- **Ion Balance:**  
- **Chromium:** Fluoride  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **Copper:** Total Alkalinity 490.0  
- **TOC:** Lead  
- **Sulphate:**  
- **Silica:** Water Well Positioned by PFRA in 10TM NAD 27  
- **DIC:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:** 450.00  
- **Aluminium:**  
- **Barium:** Sulphate 284.82  
- **Chloride:**  
- **Cadmium:** Fluoride  
- **Iron:**  
- **Copper:** TOC  
- **Lead:** Chemical Constituents are in mg/l (ppm). Except as noted.  
- **Screen:**  
- **Material:**  
- **OD (mm):** from (m): to **Size:**  
- **Thickness (mm):** from (m): to **Size:**  

### Electric Log:

- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **TOC:**  
- **DBL:** Project: Database: 1.000H  
- **Pump Intake (m):** Intake (m):  
- **Testing:** Rate (lpm):  
- **Time (minute):**  
- **Drawdown (m):**  
- **Rec’d intake (m):** Rec’d Rate (lpm):  
- **Remarks:**
NW 20-050-04 W5M

Well Owner: Randon, J.R.
Drilling Contractor: Unknown Driller

Well Number: 05374
Elevation (AMSL) (m): 752
Licence No.: 411123
Date Started:
Northing: 5,907,259.00
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Drilled
Well Use: Domestic
Completed Depth: 36.6 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm): from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
16 Apr 73
pH (pH unit) 7.90 COD Mercury
Cond. (µS/cm) 2160 SAR Nickel
TDS 1510 TKN 0.01 Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium 7.01 TN Vanadium
Magnesium 1.95 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness 26.00
Aluminium Barium Manganese
Sulphate 109.99 Beryllium Phosphate
Chloride 360.17 Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron 2.40 Cobalt Total Phosphate
TOC Copper Total Alkalinity 510.0
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- Type of Work: **New Well**
- Drilling Method: **Cable Tool**
- Well Use: **Domestic**
- Completed Depth: **82.0 (m)**
- NPWL (m): **73.8**
- Verified NPWL (m): **-**
- Abandonment:

**Casing:**
- Type: **Unknown**
- Depth (m): **21.0**
- Bottom (m): **21.0**
- OD (mm): **127.0**
- Thickness (mm): **-**
- Seal Type: **Driven**

**Liner:**
- Type: **-**
- OD (mm): **108.0**
- Thickness (mm): **-**
- Top (m): **21.0**
- Bottom (m): **82.0**

**Perforated How:** **Unknown**
- from (m): **to**
- Size: **-**
- from (m): **to**
- Size: **-**
- from (m): **to**
- Size: **-**

**Screen:**
- Material: **-**
- OD (mm):
  - from (m): **to**
  - Size: **-**
  - from (m): **to**
  - Size: **-**
  - from (m): **to**

**Open Hole:**
- from (m): **to**

**Pump:** **Submersible**
- Model: **-**
- Intake (m): **-**

**Testing:**
- Rate (lpm): **6.8**
- Time (minute): **60.0**
- Level End (m): **-**
- Drawdown (m): **-**
- Rec'd intake (m): **-**
- Rec'd Rate (lpm): **-**

**Laboratory:**
- pH (pH unit): **-**
- COD: **-**
- Mercury: **-**
- SAR: **-**
- Nickel: **-**
- TDS: **-**
- TKN: **-**
- Selenium: **-**
- Sodium: **-**
- Nitrate: **-**
- Strontium: **-**
- Potassium: **-**
- Nitrite: **-**
- Molybdenum: **-**
- Calcium: **-**
- TN: **-**
- Vanadium: **-**
- Magnesium: **-**
- TC: **-**
- Zinc: **-**
- Carbonate: **-**
- DIC: **-**
- Hydroxide: **-**
- Bicarbonate: **-**
- Arsenic: **-**
- Total Hardness: **-**
- Aluminum: **-**
- Barium: **-**
- Manganese: **-**
- Sulphate: **-**
- Beryllium: **-**
- Phosphate: **-**
- Chloride: **-**
- Cadmium: **-**
- Ion Balance: **-**
- Fluoride: **-**
- Chromium: **-**
- Amm. Nitrogen: **-**
- Iron: **-**
- Cobalt: **-**
- Total Phosphate: **-**
- TOC: **-**
- Copper: **-**
- Total Alkalinity: **-**
- Silica: **-**
- Lead: **-**
- Nitrate&Nitrite N: **-**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 05375**
- Elevation (AMSL) (m): **701**
- AEP: **410702**
- Licence No.: **-**
- Date Started: **06 Mar 64**
- Date Completed: **06 Mar 64**
- Easting: **30,421.88**
- Northing: **5,906,692.50**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on 2/20/98**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 24.4 (m)
- **NPWL (m):** 13.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 18.9
- **Bottom (m):** 18.9
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):**
- **to:** 18.9

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 24.4
- **Perforated How:** Torch
- **from (m):** 18.9
- **to:** 24.4
- **Size:**
- **from (m):**
- **to:**
- **from (m):**
- **to:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 18.3

**Testing:**
- **Rate (lpm):** 136.8
- **Time (minute):** 120.0
- **Level End (m):** 13.7
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **14 Feb 85**
- **pH (pH unit):** 7.50
- **COD:**
- ** Mercury:**
- **Cond. (µS/cm):** 1590
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:** 555.00
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:** 1.00
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 580.0
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **DIC:**
- **Hydroxide:**

**Electric Log: No**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data: Yes**
- **Well Field Verified: No**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 05377

Well Owner: Cowley
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 700
Licence No.: 410748
Date Started: 31,144.28
Date Completed: 5,907,327.00

---

**General:**
- Type of Work: Chemistry
- Well Use: Domestic
- Completed Depth: 36.4 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm): 
- Seal Type: from (m): to

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:

**Screen:**
- Material: 
- OD (mm): from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec’d intake (m): Rec’d Rate (lpm):

---

**Laboratory: 11 Sep 62**

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<tr>
<td>Silica</td>
<td>Lead</td>
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- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:**
- Transmissivity: m²/day
- Gamma Log: Storativity:
- Aquifer Test: Total Phosphate
- TOC: Lead Nitrate & Nitrite N
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on: 2/20/98
NW 21-050-04 W5M

Well Owner: Kohut Ranches
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number: 05378
Elevation (AMSL) (m): 700
AEP: 410751
Licence No.: 31,144.28
Date Started: 31 Mar 86
Northing: 5,907,327.00
Date Completed: 31 Mar 86

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock

Completed Depth: 89.6 (m)
NPWL (m): 30.5

Abandonment:

Casing:
Type: Steel
Depth (m): 34.4
Bottom (m): 34.4
OD (mm): 141.2
Thickness (mm): 0.1

Seal Type: Driven
from (m): to 34.4

Liner:
Type: Steel
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): Bottom (m): 89.6

Perforated How: Torch
from (m): 57.3 to 89.6
size: size:
from (m): to size:
from (m): to size:

Screen:
Material: Steel
OD (mm):
from (m): to size:
from (m): to size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 68.4
Time (minute): 420.0
Level End (m): 70.1
Drawdown (m): 39.6
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminum
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
Molybdenum
Vanadium
TC
DIC
Arsenic
Barium
Beryllium
Cadmium
Cadmium
Copper
Lead

Mercury
Nickel
Selenium
Molybdenum
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate
Nitrite
N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

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<th>Elevation (BGL) (m)</th>
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<td>697.9</td>
<td>Sand Coarse Grained</td>
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<td>7.0</td>
<td>692.7</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>10.4</td>
<td>689.3</td>
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<td>686.6</td>
<td>Clay &amp; Rocks Yellow</td>
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<td>22.9</td>
<td>676.8</td>
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<tr>
<td>26.5</td>
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<td>28.0</td>
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</tr>
<tr>
<td>89.6</td>
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<td>Shale Brown</td>
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---

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)  
**NPWL (m):** Verified NPWL (m):

**Abandonment:**
  - **Type:** 
  - **Depth:** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

**Liner:**
  - **Type:** 
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:

**Screen:**
  - **Material:** 
  - **OD (mm):** from (m): to Size:
  - **Thickness (mm):** from (m): to Size:

**Open Hole:**
  - **from (m):** to

**Pump:**
  - **Model:** 
  - **Intake (m):**

**Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** 7.51
- **Cond. (µS/cm):** 1300
- **TDS:** 970.0
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** 16.03
- **Magnesium:** 31.98
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** 139.77
- **Chloride:** 12.05
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

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**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Date:** 30 Nov 71

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

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**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
### SW 21-050-04 W5M

**Well Owner:** Kohut, L.  
**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

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<th>Depth Elevation</th>
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<td>Date Started: 07 Oct 81</td>
<td>Date Started: 07 Oct 81</td>
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<td>Northing: 5,906,724.50</td>
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<td>Bottom (m): 11.3</td>
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<td>Bottom (m): 82.3</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 05381

**Well Owner:** Alta Env #1504e  
**Drilling Contractor:** Alberta Environment  

**Elevation (AMSL) (m):** 689  
**AEP:** 410839  
**Date Started:** 21 Sep 75  
**Date Completed:** 21 Sep 75  
**Licence No.:** Easting: 32,415.55  
**Northing:** 5,907,556.00

### General Information

- **Type of Work:** Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Unknown  
- **Completed Depth:** 30.5 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing Information

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to  

### Liner Information

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

### Screen Information

- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

### Open Hole Information

- **from (m):** to

### Pump Information

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory Analysis

- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TKN:** Selenium  
- **Selenium:**  
- **Nitrate:** Molybdenum  
- **Strontium:**  
- **Sodium:**  
- **Nitrite:** Molybdenum  
- **Molybdenum:**  
- **Potassium:**  
- **TN:**  
- **Vanadium:**  
- **TC:**  
- **Magnesium:**  
- **Zinc:**  
- **DIC:**  
- **Hydroxide:**  
- **Arsenic:** Total Hardness  
- **Barium:** Manganese  
- **Beryllium:** Phosphate  
- **Cadmium:** Ion Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Lead:** Nitrate&Nitrite N  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing Information

- **Transmissivity:**  
- **Storativity:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Other
- **Well Use:** Industrial
- **Completed Depth:** 7.6 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 7.6
- **Bottom (m):** 7.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Unknown
  - from (m): to 7.6

### Liner:
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** Br
- **OD (mm):** 1.8
- **Size:** 0.06
  - from (m): to 7.0
  - from (m): to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Printed on:
2/20/98
**General:**
- Type of Work: **New Well**
- Drilling Method: **Other**
- Well Use: **Industrial**
- Completed Depth: 7.9 (m)
- NPWL (m): 3.7
- Veriﬁed NPWL (m): 
- Abandonment: 

**Casing:**
- Type: **Steel**
- Depth (m): **7.6**
- Bottom (m): **7.6**
- OD (mm): **152.4**
- Thickness (mm): **0.1**
- Seal Type: **Unknown**
- from (m): **to 7.6**

**Liner:**
- Type: 
- OD (mm): Thickness (mm): 
- Top (m): Bottom (m): 
- Perforated How: 
- from (m): **to**
- from (m): **to**
- from (m): **to**

**Screen:**
- Material: **Br**
- OD (mm): 1.8
- from (m): **5.2**
- to 7.0
- Size: **0.06**
- from (m): **to**
- from (m): **to**
- from (m): **to**

**Open Hole:**
- from (m): **to**

**Pump:**
- Model: Intake (m): 

**Testing:**
- Rate (lpm): **45.6**
- Time (minute): **360.0**
- Level End (m): Drawdown (m): 
- Rec'd intake (m): **6.7**
- Rec'd Rate (lpm): 

**Laboratory:**
- pH (pH unit): **COD**
- Cond. (µS/cm): **Mercury**
- TDS: **SAR**
- Sodium: **Nickel**
- Nitrate: **Selenium**
- Strontium: 
- Potassium: **Molybdenum**
- Calcium: **Vanadium**
- Magnesium: **Zinc**
- DIC: **Hydroxide**
- Barium: **Total Hardness**
- Beryllium: **Manganese**
- Sulphate: **Phosphate**
- Chloride: **Ion Balance**
- Cadmium: **Amm. Nitrogen**
- Chromium: **Total Phosphate**
- Cobalt: **Total Alkalinity**
- Copper: **Lead**
- TOC: **Nitrate&Nitrite N**
- Silicon: 

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 05383

**Well Owner:** Andex Oil Comp Ltd

Drilling Contractor: Sds Drilling Ltd./Division Of Sds Indust

**Elevation (AMSL) (m):** 684

**AEP:** 410766

**Licence No.:**

**Date Started:** 08 Sep 79

**Easting:** 33,048.35

**Nothing:** 5,906,714.00

**Date Completed:** 09 Sep 79

**Well Use:**

**Lithologic Description**

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**Database:** 1.000H

**Project:**

**AEP Data:** Yes

Well Field Verified: No

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printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27

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<td>Lead</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Hardness</td>
<td></td>
<td></td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<td>Remarks:</td>
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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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<td>Printed on 2/20/98</td>
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## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 11.9 m
- **NPWL (m):** 2.0
- **Verified NPWL (m):**
- **Abandonment:**

<table>
<thead>
<tr>
<th><strong>Casing:</strong></th>
<th><strong>Lithologic Description</strong></th>
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<tr>
<td><strong>Type:</strong> Plastic</td>
<td>0.9 683.1 Clay</td>
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<tr>
<td><strong>Depth (m):</strong> 4.0</td>
<td>3.4 680.7 Sand &amp; Gravel</td>
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<tr>
<td><strong>Bottom (m):</strong> 4.0</td>
<td>7.0 677.0 Silt Clayey</td>
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<tr>
<td><strong>OD (mm):</strong> 50.8</td>
<td>11.9 672.1 Shale &amp; Gravel</td>
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<tr>
<td><strong>Thickness (mm):</strong></td>
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<table>
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<tr>
<th><strong>Liner:</strong></th>
<th><strong>(m) (m) (m)</strong></th>
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<tbody>
<tr>
<td><strong>Type:</strong> Puddled Clay</td>
<td>0.9 50.8 5.5</td>
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<tr>
<td><strong>from (m):</strong> to 0.9</td>
<td></td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 50.8</td>
<td></td>
</tr>
<tr>
<td><strong>Thickness (mm):</strong></td>
<td>5.5</td>
</tr>
<tr>
<td><strong>Top (m):</strong> Bottom (m):</td>
<td>4.0 5.5</td>
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<table>
<thead>
<tr>
<th><strong>Perforated How:</strong></th>
<th><strong>Size:</strong></th>
</tr>
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<tbody>
<tr>
<td><strong>from (m):</strong> to 5.5</td>
<td>4.0 9.1</td>
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<table>
<thead>
<tr>
<th><strong>Screen:</strong></th>
<th><strong>Size:</strong></th>
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<tbody>
<tr>
<td><strong>Material:</strong></td>
<td>4.0 9.1</td>
</tr>
<tr>
<td><strong>OD (mm):</strong></td>
<td>4.0 9.1</td>
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<tr>
<td><strong>from (m):</strong> to 9.1</td>
<td>4.0 9.1</td>
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<tr>
<td><strong>from (m):</strong> to 9.1</td>
<td>4.0 9.1</td>
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<table>
<thead>
<tr>
<th><strong>Open Hole:</strong></th>
<th><strong>Size:</strong></th>
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</thead>
<tbody>
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<td><strong>from (m):</strong> to</td>
<td>4.0 9.1</td>
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<table>
<thead>
<tr>
<th><strong>Pump:</strong></th>
<th><strong>Intake (m):</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model:</strong></td>
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</table>

<table>
<thead>
<tr>
<th><strong>Testing:</strong></th>
<th><strong>Rate (lpm):</strong></th>
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<tbody>
<tr>
<td><strong>Time (minute):</strong> 300.0</td>
<td>9.1</td>
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<tr>
<th><strong>Level End:</strong></th>
<th><strong>Drawdown (m):</strong></th>
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<tr>
<td><strong>Rate (lpm):</strong> 4.9</td>
<td>3.1</td>
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<tr>
<td><strong>Rec'd intake:</strong></td>
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<thead>
<tr>
<th><strong>Rec'd Rate (lpm):</strong></th>
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<td><strong>from (m):</strong> to</td>
<td>4.0 9.1</td>
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<table>
<thead>
<tr>
<th><strong>Laboratory:</strong></th>
<th><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></th>
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<tbody>
<tr>
<td><strong>pH (pH unit):</strong></td>
<td>COD Mercury</td>
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<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td>SAR Nickel</td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
<td>TKN Selenium</td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
<td>Nitrate Strontium</td>
</tr>
<tr>
<td><strong>Potassium:</strong></td>
<td>Nitrite Molybdenum</td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
<td>TN Vanadium</td>
</tr>
<tr>
<td><strong>Magnesium:</strong></td>
<td>TC Zinc</td>
</tr>
<tr>
<td><strong>Carbonate:</strong></td>
<td>DIC Hydroxide</td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
<td>Arsenic Total Hardness</td>
</tr>
<tr>
<td><strong>Aluminum:</strong></td>
<td>Barium Manganese</td>
</tr>
<tr>
<td><strong>Sulphate:</strong></td>
<td>Beryllium Phosphate</td>
</tr>
<tr>
<td><strong>Chloride:</strong></td>
<td>Cadmium Ion Balance</td>
</tr>
<tr>
<td><strong>Fluoride:</strong></td>
<td>Chromium Amm. Nitrogen</td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
<td>Cobalt Total Phosphate</td>
</tr>
<tr>
<td><strong>TOC:</strong></td>
<td>Copper Total Alkalinity</td>
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<tr>
<td><strong>Silica:</strong></td>
<td>Lead Nitrate &amp; Nitrite N</td>
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<tr>
<th><strong>Electric Log:</strong></th>
<th><strong>Transmissivity:</strong></th>
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<td>No</td>
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<tr>
<th><strong>Aquifer Test:</strong></th>
<th><strong>TOC:</strong></th>
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<tr>
<th><strong>Project:</strong></th>
<th><strong>Database:</strong></th>
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<tbody>
<tr>
<td>1.000H</td>
<td>AEP Data: Yes Well Field Verified: No</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 11.9 m
- **NPWL (m):** 2.0
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 4.0
- **Bottom (m):** 4.0
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** Puddled Clay
- **from (m):** to 0.9

### Casing:
- **Type:** Plastic
- **Depth (m):** 4.0
- **Bottom (m):** 4.0
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Perforated How:** Machine
- **from (m):** to 5.5
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Liner:
- **Type:** Plastic
- **Depth (m):** 4.0
- **Bottom (m):** 5.5
- **OD (mm):** 50.8
- **Thickness (mm):**

### Screen:
- **Material:** Plastic
- **Depth (m):**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **Depth (m):**
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 300.0
- **Level End (m):** 4.9
- **Drawdown (m):** 3.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Data:** Yes
- **Well Field Verified:** No

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Water Well Positioned by PFRA in 10TM NAD 27

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printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 11.9 m
- **NPWL (m):** 5.0
- **Elevation (AMSL) (m):** 684
- **Licence No.:** Easting: 33,048.35
- **Date Started:** 10 Nov 83
- **Date Completed:** 10 Nov 83

### Casting:
- **Type:** Plastic
- **Depth (m):** 7.0
- **Bottom (m):** 7.0
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** Puddled Clay
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 8.5
- **Perforated How:** Machine
- **from (m):** 7.0 to 8.5
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 300.0
- **Level End (m):** 8.5
- **Drawdown (m):** 3.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite N

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **m³/day:**
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 05388

Well Owner: Andex Oil Comp Ltd #Piez 4
Drilling Contractor: Hirate Drilling 1985 Ltd.

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<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m) (m) Lithologic Description</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
</tr>
<tr>
<td>Well Use: Other</td>
<td></td>
</tr>
<tr>
<td>Completed Depth 11.9 (m)</td>
<td></td>
</tr>
<tr>
<td>NPWL (m): 3.1</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
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</tbody>
</table>

| Casing: | | |
| Type: Plastic | | |
| Depth (m): 4.9 | Bottom (m): 4.9 | |
| OD (mm): 50.8 | Thickness (mm): | |
| Seal Type: Puddled Clay | | |
| from (m): | to | |

| Liner: | | |
| Type: | | |
| OD (mm): 50.8 | Thickness (mm): | |
| Top (m): | Bottom (m): 7.9 | |
| Perforated How: Machine | | |
| from (m): 4.9 | to 7.9 | Size: | |
| from (m): | to | Size: | |
| from (m): | to | Size: | |

| Screen: | | |
| Material: | | |
| OD (mm): | | |
| from (m): | to | Size: | |
| from (m): | to | Size: | |
| Open Hole: | | |
| from (m): | to | |

| Pump: | | |
| Model: | Intake (m): | |

| Testing: | | |
| Rate (lpm): 9.1 | Time (minute): 300.0 | |
| Level End (m): 7.9 | Drawdown (m): 4.9 | |
| Rec’d intake (m): | Rec’d Rate (lpm): | |

| Laboratory: | | |
| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrate | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

| Electric Log: | Transmissivity: | m³/day |
| Gamma Log: | | |
| Aquifer Test: | | |
| AEP Data: Yes | Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.
06-22-050-04 W5M

Well Owner: Andex Oil Ltd
Drilling Contractor: Elk Point Drilling Corp.

Elevation (AMSL) (m): 684
AEP: 410802
Licence No.: Easting: 32,048.35
Date Started: 07 Oct 80 Northing: 5,906,714.00
Date Completed: 09 Oct 80

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<th>Lithologic Description</th>
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<th>(m)</th>
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<tr>
<td>2.4</td>
<td>681.6</td>
<td>Silt</td>
</tr>
<tr>
<td>6.4</td>
<td>677.6</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>11.6</td>
<td>672.4</td>
<td>Sand Blue Gray</td>
</tr>
<tr>
<td>12.2</td>
<td>671.8</td>
<td>Silt</td>
</tr>
<tr>
<td>18.3</td>
<td>666.7</td>
<td>Shale &amp; Coal Brown</td>
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</table>

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Industrial
Completed Depth: 18.3 (m)
NPWL (m): 3.8 Verified NPWL (m): 
Abandonment: 

Casing:
Type: Steel
Depth (m): 8.5 Bottom (m): 8.5
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 7.6

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2
from (m): 8.5 to 10.1 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: 
Intake (m):

Testing:
Rate (lpm): 47.9 Time (minute): 1440.0
Level End (m): 7.0 Drawdown (m): 3.1
Rec’d intake (m):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 05390

General:
- Type of Work: New Well
- Drilling Method: Bored
- Well Use: Industrial
- Completed Depth: 12.5 (m)
- NPWL (m): 4.9
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 12.5
- Bottom (m): 12.5
- OD (mm): 635.0
- Thickness (mm): 0.0
- Seal Type: from (m): to
- Liner:
- Type: from (m): to
- OD (mm):
- Top (m): Bottom (m): from (m): to
- Thickness (mm): Size:
- Perforated How: from (m): to
- Screen:
- Material: from (m): to
- OD (mm):
- Thickness (mm): Size:
- Open Hole:
- from (m): to
- from (m): to
- from (m): to
- from (m): to
- Pump:
- Sub
- Model: 4
- Intake (m): 11.6
- Testing:
- Rate (lpm): 91.2
- Time (minute): 300.0
- Level End (m): 12.2
- Drawdown (m): 7.3
- Rec'd intake (m): 11.6
- Rec'd Rate (lpm): 68.4

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): Mercury
- SAR: Nickel
- TDS: TKN
- Sodium: Nitrate
- Strontium: Selenium
- Potassium: Nitrite
- Molybdenum: Calcium
- Magnesium: Total Hardness
- Vanadium: Zinc
- Carbonate: DIC
- Hydroxide: Amm. Nitrogen
- Bicarbonate: Arsenic
- Total Hardness: Barium
- Manganese: Beryllium
- Sulphate: Phosphate
- Chloride: Cadmium
- Ion Balance: Barium
- Fluoride: Chromium
- Amm. Nitrogen: Cobalt
- Iron: Copper
- TOC: TOC
- TOC: Phosphate
- Silicona: Lead
- Nitrate: Nitrite
- N
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NW 22-050-04 W5M**

**Well Owner:** Andex Oil Comp Ltd  
**Drilling Contractor:** Sds Drilling Ltd./Division Of Sds Indus

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<thead>
<tr>
<th><strong>General:</strong></th>
<th><strong>Depth Elevation</strong></th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
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<td><strong>Drilling Method:</strong> Other</td>
<td><strong>Lithologic Description</strong></td>
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<td><strong>Well Use:</strong> Unknown</td>
<td><strong>Sand</strong></td>
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<td><strong>Elevation (AMSL) (m):</strong> 689</td>
<td><strong>Gravel</strong></td>
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<td><strong>Completed Depth:</strong> 7.6 (m)</td>
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<td><strong>NPWL (m):</strong> 3.7</td>
<td><strong>685.8</strong></td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td><strong>7.6</strong></td>
</tr>
</tbody>
</table>

**Casing:**
- **Type:** Steel  
- **Depth (m):** 7.6  
- **Bottom (m):** 7.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Unknown  
- **from (m):** to 7.6

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

**Screen:**
- **Material:** Br  
- **OD (mm):** 1.8  
- **from (m):** 5.2  
- **to:** 7.0  
- **Size:** 0.06  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 59.3  
- **Time (minute):** 360.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

**Laboratory:**
| **pH (pH unit):** | **COD:** | **Mercury:** |
| **Cond. (µS/cm):** | **SAR:** | **Nickel:** |
| **TDS:** | **TKN:** | **Selenium:** |
| **Sodium:** | **Nitrate:** | **Strontium:** |
| **Potassium:** | **Nitrite:** | **Molybdenum:** |
| **Calcium:** | **TN:** | **Vanadium:** |
| **Magnesium:** | **TC:** | **Zinc:** |
| **Carbonate:** | **DIC:** | **Hydroxide:** |
| **Bicarbonate:** | **Arsenic:** | **Total Hardness:** |
| **Aluminium:** | **Barium:** | **Manganese:** |
| **Sulphate:** | **Beryllium:** | **Phosphate:** |
| **Chloride:** | **Cadmium:** | **Ion Balance:** |
| **Fluoride:** | **Chromium:** | **Amm. Nitrogen:** |
| **Iron:** | **Cobalt:** | **Total Phosphate:** |
| **TOC:** | **Copper:** | **Total Alkalinity:** |
| **Silica:** | **Lead:** | **Nitrate&Nitrite N** |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 05391**

**Elevation (AMSL) (m):** 689  
**AEP:** 410833  
**Licence No.:**  
**Easting:** 32,415.87  
**Date Started:** 13 Sep 79  
**Northing:** 5,907,534.50  
**Date Completed:** 13 Sep 79

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
NW 22-050-04 W5M

Well Owner: McDougall, R.
Drilling Contractor: Unknown Driller

Well Number: 05392
Elevation (AMSL) (m): 689
AEP: 410830
Date Started: 
Easting: 32,415.87
Date Completed: 
Northing: 5,907,534.50

General:
Type of Work: Chemistry
Drilling Method: Hand Dug
Well Use: Domestic
Completed Depth: 6.1 (m)
NPWL (m): Verified NPWL (m): Abandonment:

Casing:
Type: Concrete
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: from (m): to
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: from (m): to
OD (mm): Thickness (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory: 22 Aug 74
pH (pH unit) 7.20 COD Mercury
Cond. (µS/cm) 1330 SAR Nickel
TDS 821.0 TKN Selenium
Sodium 29.90 Nitrate Strontium
Potassium 3.91 Nitrite Molybdenum
Calcium 187.98 TN Vanadium
Magnesium 44.99 TC Zinc
Carbonate 599.73 DIC Hydroxide
Bicarbonate 222.86 Arsenic Total Hardness 651.00
Aluminium 599.73 Barium Manganese
Sulphate 222.86 Beryllium Phosphate
Chloride 30.84 Cadmium Ion Balance 0.94
Fluoride 0.21 Chromium Amm. Nitrogen
Iron 1.00 Cobalt Total Phosphate
TOC 492.0 Copper Total Alkalinity
Silica 80.0 Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on: 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Industrial
- **Completed Depth:** 14.0 m
- **NPWL (m):** 3.4
- **Abandonment:**

## Casings:
- **Type:** Galvanized Steel
  - **Depth (m):** 13.7
  - **Bottom (m):** 13.7
  - **OD (mm):** 635.0
  - **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
  - **from (m):** to 3.1

## Liners:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

## Screens:
- **Material:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Open Hole:**
  - **from (m):** to

## Pumps:
- **Sub Model:** 4
  - **Intake (m):** 12.2

## Testing:
- **Rate (lpm):** 547.3
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

## Laboratory:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

### Lithologic Description
- **3.7 680.3** Clay Silty
- **11.0 673.0** Sand & Gravel
- **11.6 672.4** Gravel Sandy
- **14.0 670.0** Sandstone & Coal Shaly
**General:**
- Type of Work: New Well
- Drilling Method: Bored
- Well Use: Industrial
- Completed Depth: 9.1 (m)
- NPWL (m): 3.7
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Galvanized Steel
- Depth (m): 6.1
- Bottom (m): 6.1
- OD (mm): 635.0
- Thickness (mm): 0.0
- Seal Type:
- from (m): to

**Liner:**
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Sub
  - Model: Intake (m): 8.5

**Testing:**
- Rate (lpm): 82.1
  - Time (minute): 240.0
- Level End (m): 8.5
  - Drawdown (m): 4.9
- Rec'd intake (m): 8.5
  - Rec'd Rate (lpm): 73.0

**Laboratory:**
- pH (pH unit): COD
  - SAR
  - Mercury
- Cond. (µS/cm): TDS
  - TKN
  - Selenium
- Sodium: Nitrate
  - Strontium
- Potassium: Nitrite
  - Molybdenum
- Calcium: TN
  - Vanadium
- Magnesium: TC
  - Zinc
- Carbonate: DIC
  - Hydroxide
- Bicarbonate: Arsenic
  - Total Hardness
- Aluminum: Barium
  - Manganese
- Sulphate: Beryllium
  - Phosphate
- Chloride: Cadmium
  - Ion Balance
- Fluoride: Chromium
  - Amm. Nitrogen
- Iron: Cobalt
  - Total Phosphate
- TOC: Copper
  - Total Alkalinity
- Silica: Lead
  - Nitrate
  - Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Other
- **Well Use:** Industrial
- **Completed Depth:** 7.9 (m)
- **NPWL (m):** 2.4
- **Verified NPWL (m):** 
- **Abandonment:** 
- **Depth:** (m): 7.6
- **Bottom:** (m): 7.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Unknown
- **Steel**
- **from (m):**
- **to:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **Size:**
- **Size:**
- **Material:** Br
- **OD (mm):** 1.8
- **from (m):**
- **to:**
- **Size:** 0.06
- **Size:**
- **Size:**
- **Open Hole:**
- **from (m):**
- **to:**
- **Pump:**
- **Model:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 360.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Lithologic Description
- **Type:**
- **Thickness (m):**
- **Water Well Positioned by PFRA in 10TM NAD 27**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

**AEP Data:**
- **Well Field Verified:** No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Other
- **Well Use:** Industrial
- **Completed Depth:** 10.1 (m)
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 10.1
- **Bottom (m):** 10.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Unknown
- **from (m):** to 10.1

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:** Br
- **OD (mm):** 1.8
- **from (m):** to Size: 0.06
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 360.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number: 05396**

- **Well Owner:** Anex Oil Comp Ltd
- **Elevation (AMSL) (m):** 684
- **AEP:** 410760
- **Licence No.:**
- **Date Started:** 14 Sep 79
- **Easting:** 33,048.25
- **Date Completed:** 14 Sep 79
- **Northing:** 5,906,724.00
- **Verified NPWL (m):**

**Depth Elevation (BGL) (AMSL) Lithologic Description**

<table>
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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tr>
<td>3.1</td>
<td>681.0</td>
<td>Sand</td>
</tr>
<tr>
<td>10.1</td>
<td>673.9</td>
<td>Sand &amp; Gravel</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**AEP Data:** Yes

**Database:** 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:

- **Type of Work:** New Well
- **Drilling Method:** Other
- **Well Use:** Industrial
- **Completed Depth:** 9.4 m (m)
- **NPWL (m):** 3.1 Verified NPWL (m):
- **Abandonment:**

#### Casing:

- **Type:** Steel
- **Depth (m):** 9.4 Bottom (m): 9.4
- **OD (mm):** 152.4 Thickness (mm): 0.1
- **Seal Type:** Unknown
- **from (m):** to 9.4

#### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:

- **Material:** Br
- **OD (mm):** 1.8
- **from (m):** 7.0 to 8.8 **Size:** 0.06
- **from (m):** to Size:

#### Open Hole:

- **from (m):** to

#### Pump:

- **Model:** Intake (m):

#### Testing:

- **Rate (lpm):** 27.4 **Time (minute):** 360.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** 6.7 Rec'd Rate (lpm):

### Laboratory:

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS: TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N
- **DIC Hydroxide**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

#### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Unknown
- **Completed Depth:** 11.3 (m)
- **NPWL (m):** 2.7
- **Veriﬁed NPWL (m):**
- **Abandonment:**
- **Type:** Galvanized Steel
- **Depth (m):** 11.3
- **Bottom (m):** 11.3
- **OD (mm):** 711.2
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to 3.1

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 11.0

**Testing:**
- **Rate (lpm):** 136.8
- **Time (minute):** 240.0
- **Level End (m):** 11.0
- **Drawdown (m):** 8.2
- **Rec’d intake (m):** 11.0
- **Rec’d Rate (lpm):** 91.2

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Chromium:**
- **TOC:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**SW 22-050-04 W5M**

**Well Number:** 05399

**Well Owner:** Underwood-McClellan Ltd

**Drilling Contractor:** Summer's Drilling Ltd.

Elevation (AMSL) (m): 684

AEP: 410768

Licence No.: Easting: 33,048.25

Date Started: 06 May 81 Northing: 5,906,724.00

Date Completed: 17 May 81

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Unknown
- **Completed Depth:** 9.4 (m)
  - NPWL (m): 2.7
  - Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:** Galvanized Steel
- **Depth (m):** 9.4
  - Bottom (m): 9.4
- **OD (mm):** 635.0
  - Thickness (mm): 0.0
- **Seal Type:** Puddled Clay
  - from (m): to 2.4

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:

- **Material:** St
- **OD (mm):** 7.3
  - from (m): 6.1 to 6.4
  - Size: 0.02
- **Top (m):** Bottom (m):

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):** 9.1
- **Rate (lpm):** 159.6
  - Time (minute): 240.0
- **Level End (m):** 9.1
  - Drawdown (m): 6.4
- **Rec'd intake (m):** 9.1
  - Rec'd Rate (lpm): 136.8

### Laboratory:

<table>
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<tr>
<th>Chemical Constituents</th>
<th>Unit</th>
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<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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<tr>
<td>Sodium</td>
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</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:**  m²/day

- **Gamma Log:**

- **Aquifer Test:**

- **Project:**

- **Database:** 1.000H

### AEP Data:

- **Yes**  Well Field Verified: No

---

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 21 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Rec'd intake (m):**

### Laboratory:

<table>
<thead>
<tr>
<th>Parameter</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log: No  
**Transmissivity:** m³/day
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H
**AEP Data:** Yes  
Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on 2/20/98**
**16-28-050-04 W5M**

**Well Owner:** Hansen, A.  
**Drilling Contractor:** Mcauley Drilling Co. Ltd.

**Elevation (AMSL) (m):** 754  
**AEP:** 410892  
**Licence No.:** Easting: 32,214.94  
**Date Started:** 01 Jan 72  
**NORTHING:** Netting: 5,908,732.50  
**Date Completed:** 14 Sep 72

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 38.1 (m)  
- **NPWL (m):** 29.3  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 38.1  
  - **Bottom (m):** 38.1  
- **OD (mm):** 104.9  
  - **Thickness (mm):**
- **Seal Type:**
  - **from (m):**  
  - **to:**

### Liner:
- **Type:**
- **OD (mm):** 104.9  
  - **Thickness (mm):**
- **Top (m):**  
  - **Bottom (m):** 38.1  
- **Perforated How:**
  - **from (m):** 18.9  
  - **to:** 19.8  
  - **Size:**
  - **from (m):** 32.0  
  - **to:** 36.6  
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 11.4  
  - **Time (minute):** 120.0  
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

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<tr>
<th>Chemical Constituents</th>
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<td>Aluminium</td>
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<td>Beryllium</td>
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<td>Lead</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

[printed on 2/20/98]
**NE 28-050-04 W5M**

**Well Owner:** Hansen, A.

**Drilling Contractor:** Scott, H.A. Drilling

**Elevation (AMSL) (m):** 754

**Licence No.:** 410899

**Date Started:**

**Date Completed:**

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<td>Shale</td>
<td>22.9</td>
<td>730.7</td>
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</table>

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 22.9 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 13.1
- **Bottom (m):** 13.1
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 13.1

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 22.9

**Perforated How:** Torch

- **from (m):** 19.8
- **to:** 22.9
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):**
- **to:**

**Pump:**

- **Model:**
- **Intake (m):** 21.3

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 21.3
- **Drawdown (m):** 6.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 31.9

**Laboratory:**

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<th>Chemical Constituents</th>
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<td>Nitrate&amp;Nitrite N</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on:** 2/20/98
**NE 28-050-04 W5M**

**Well Number:** 05414

**Well Owner:** Hansen, A.

**Drilling Contractor:** Double S Drilling

**Elevation (AMSL) (m):** 754

**AEP:** 410903

**Licence No.:**

**Date Started:** 16 Oct 80

**Date Completed:** 16 Oct 80

**Easting:** 32,214.63

**Northing:** 5,908,722.50

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 25.3 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 15.9
- **Bottom (m):** 15.9
- **OD (mm):** 141.2
- **Thickness (mm):**

**Seal Type:** Driven

**from (m):**

**to (m):**

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:** Hand Drill

**from (m):** 19.2 to 25.3

**Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to (m):**

**Open Hole:**

- **from (m):**
- **to (m):**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 60.0
- **Level End (m):** 25.3
- **Drawdown (m):** 10.1
- **Rec'd intake (m):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **TN:**
- **Mg:**
- **Calcium:**
- **Magnesium:**
- **Bicarbonate:**
- **Potassium:**
- **Barium:**
- **Chloride:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **TOC:**
- **Silica:**
- **Lead:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Domestic & Stock
- **Completed Depth:** 106.7 m
- **NPWL:** Verified NPWL (m):
- **Abandonment:** Unknown

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Driven
- **from (m):** to 29.3

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):** from (m): to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 2.3
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**

- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: **11.5 (m)**
- NPWL (m): **5.2**
- Verified NPWL (m): **5.2**
- Abandonment: 

**Casing:**

- Type: **Galvanized Steel**
- Depth (m): **10.1**
- Bottom (m): **10.1**
- OD (mm): **108.0**
- Thickness (mm): **0.1**
- Seal Type: **Cement/Grout**

**Liner:**

- OD (mm): 
- Thickness (mm): 
- Top (m): 
- Bottom (m): 
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**

- Material: **St**
- OD (mm): **0.9**
- from (m): **10.1** to **11.3**
- Size: **0.10**
- Top (m): 
- Bottom (m): 
- from (m): 
- to Size:

**Open Hole:**

from (m): to 

**Pump:**

- Model: 
- Intake (m): 
- Rate (lpm): **11.4**
- Time (minute): **900.0**
- Level End (m): Drawdown (m): **1.5**
- Rec'd intake (m): 
- Rec'd Rate (lpm): 

**Laboratory:**

- Date: **08 Oct 75**
- pH (pH unit): **7.80**
- COD: Mercury
- Cond. (μS/cm): **1850**
- SAR: Nickel
- TDS: **1149**
- TKN: Selenium
- Sodium: **416.99**
- Nitrate: Strontium
- Potassium: **2.35**
- Nitrite: Molybdenum
- Calcium: **30.06**
- TN: Vanadium
- Magnesium: **5.96**
- TC: Zinc
- Carbonate: DIC
- Hydroxide
- Bicarbonate: **1140.89**
- Arsenic: Total Hardness **98.00**
- Aluminium: Barium
- Manganese
- Sulphate: **126.80**
- Beryllium: Phosphate
- Chloride: **6.03**
- Cadmium: Ion Balance **0.94**
- Fluoride: **0.30**
- Chromium: Amm. Nitrogen
- Iron: **1.00**
- Cobalt: Total Phosphate
- TOC: Copper
- Total Alkalinity **936.0**
- Silica: Lead
- Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Depth Elevation**

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
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<td>Sand Yellow</td>
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<td>713.5</td>
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<td>Clay Yellow</td>
<td>10.1</td>
<td>712.6</td>
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<td>Sand &amp; Coal Soft</td>
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<td>711.4</td>
</tr>
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<td>Clay Brown</td>
<td>11.6</td>
<td>711.1</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

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**Project:** 1.000H

**Remarks:** Yes Well Field Verified: No

---

**Printed on:** 2/20/98
SE 28-050-04 W5M

Well Owner: Nobles, J.
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 05417
Elevation (AMSL) (m): 723
AEP: 410875
Licence No.: Easting: 32133.55
Date Started: 01 Jan 73
Northing: 5907842.00
Date Completed: 22 Oct 73

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic & Stock
- Completed Depth: 19.5 (m)
- NPWL (m): 7.6
- Abandonment:
  - Type: Galvanized Steel
  - Depth (m): 9.4
  - Bottom (m): 9.4
  - OD (mm): 108.0
  - Thickness (mm): 0.1
- Seal Type: Sand Pack
- from (m): to

Casing:
- Type: Galvanized Steel
- Depth (m): 9.4
- Bottom (m): 9.4
- OD (mm): 108.0
- Thickness (mm): 0.1
- Seal Type: Sand Pack
- from (m): to

Liner:
- Type: Galvanized Steel
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

Screen:
- Material: St
- OD (mm): 1.2
  - from (m): 9.4 to 11.0
  - Size: 0.10
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m):
- Testing:
  - Rate (lpm): 22.8
  - Time (minute): 630.0
  - Level End (m): Drawdown (m): 5.2
  - Rec'd intake (m):

Laboratory:
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Gamma Log: No
Aquifer Test: No
- Transmissivity: m²/day
- Storativity:
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No
- Printed on: 2/20/98

Well Use: Domestic & Stock
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 56.1 (m)
- **NPWL (m):** 7.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Galvanized Steel
- **Depth (m):** 14.9
- **Bottom (m):** 14.9
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 14.9

**Liner:**

- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):**
- **Bottom (m):** 55.2
- **Perforated How:** Torch
- **from (m):** 14.9 to 55.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 42.7

**Testing:**

- **Rate (lpm):** 9.1
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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<th>Parameter</th>
<th>Value</th>
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<tr>
<td>TOC</td>
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<td>Copper</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td></td>
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<tr>
<td>Lead</td>
<td></td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>3.4</td>
<td>719.3</td>
<td>Clay Yellow</td>
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<tr>
<td>3.7</td>
<td>719.0</td>
<td>Coal</td>
</tr>
<tr>
<td>6.7</td>
<td>715.9</td>
<td>Gravel</td>
</tr>
<tr>
<td>8.8</td>
<td>713.8</td>
<td>Clay Hard Yellow</td>
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<td>10.7</td>
<td>712.0</td>
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<td>11.3</td>
<td>711.4</td>
<td>Clay &amp; Rocks Blue</td>
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<tr>
<td>14.6</td>
<td>708.0</td>
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<td>15.9</td>
<td>706.8</td>
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<td>16.1</td>
<td>706.5</td>
<td>Sandstone</td>
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<tr>
<td>19.2</td>
<td>703.5</td>
<td>Shale &amp; Coal Brownish Gray</td>
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<tr>
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<td>20.1</td>
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<tr>
<td>50.0</td>
<td>672.7</td>
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<tr>
<td>56.1</td>
<td>666.6</td>
<td>Shale Sandy Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **TOC:**
**Project:**  **Database:** 1.000H
**AEP Data:** Yes  **Well Field Verified:** No

---

Printed on 2/20/98
**SE 30-050-04 W5M**

Well Owner: **Loewen, G.**
Drilling Contractor: **Holland Drilling Ltd.**

**Well Number 05419**

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>763</th>
</tr>
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<tr>
<td>Date Started:</td>
<td>05 Jul 80</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>08 Jul 80</td>
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</tbody>
</table>

| AEP: | 410912 |
| Licence No.: | 29,119.50 |
| Easting: | 5,908,298.00 |

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 19.2
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 57.9
  - **Bottom (m):** 57.9
  - **OD (mm):** 168.4
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 57.9

**Casing:**
- **Type:** Steel
- **Depth (m):** 57.9
- **Bottom (m):** 91.4
- **OD (mm):** 141.2
- **Thickness (mm):**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Liner:**
- **Type:** Driven
- **OD (mm):** 141.2
- **Thickness (mm):**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 61.0

**Testing:**
- **Rate (lpm):** 4.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 109.7 m
- NPWL: 38.4 m
- Veriﬁed NPWL: (m)
- Abandonment:

**Casing:**
- Type: Steel
- Depth: 67.1 m
- Bottom: 67.1 m
- OD (mm): 143.0
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 67.1

**Liner:**
- Type: Driven
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top: Bottom (m): 109.7

**Perforated How:** Torch
- from (m): 76.2 to 109.7
- Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm): from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): 76.2

**Testing:**
- Rate (lpm): 13.7
- Time (minute): 180.0
- Level End (m): Drawdown (m):
- Rec'd intake (m):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silicona
- COD
- SAR
- TKN
- Nitrate
- Molybdenum
- TN
- Vanadium
- TC
- Zinc
- DIC
- Hydroxide
- Arsenic
- Sulphate
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Lead
- Nitrate
- Nitrite
- N

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by PFRA in 10TM NAD 27*
SW 30-050-04 W5M

Well Owner: Youth Orientation Unit
Drilling Contractor: Holland Drilling Ltd.

Well Number 05421

Elevation (AMSL) (m): 764
AEP: 410916
Licence No.: W5M
Easting: 27,966.40
Date Started: 27 Nov 80
Northing: 5,907,890.50
Date Completed: 28 Nov 80

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 109.7 (m)
NPWL (m): 34.8 Verified NPWL (m):
Abandonment:
Casing:
Type: Steel
Depth (m): 61.0 Bottom (m): 61.0
OD (mm): 143.0 Thickness (mm): 0.1
Seal Type: Formation Packer
from (m): to 61.0
Liner:
Type: Steel
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 57.9 Bottom (m): 109.7
Perforated How: Torch
from (m): 97.5 to 109.7 Size: 
from (m): to Size: 
from (m): to Size: 
Screen:
Material: Steel
OD (mm):
from (m): to Size: 
from (m): to Size: 
from (m): to Size: 
Open Hole: 
from (m): 
Pump:
Model: Intake (m): 94.5
Testing:
Rate (lpm): 9.1 Time (minute): 120.0
Level End (m): 103.6 Drawdown (m): 68.9
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 15.5 m
- **NPWL (m):** 3.7
- **Verified NPWL (m):**
- **Abandonment:**
- **Lithologic Description**
  - Type: Steel
  - **Depth (m):** 15.5
  - **Bottom (m):** 15.5
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
  - **Seal Type:** Puddled Clay
  - **from (m):** to

### Casing:
- **Type:** Steel
- **Depth (m):** 15.5
- **Bottom (m):** 15.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Puddled Clay
- **from (m):** to

### Liner:
- **Type:** Steel
- **OD (mm):** Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** Steel
- **OD (mm):** Thickness (mm):
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub
  - Intake (m): 6.1

### Testing:
- **Rate (lpm):** 456.1
  - **Time (minute):** 60.0
- **Level End (m):** 6.1
- **Drawdown (m):** 2.4
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Selenium:**
- **Total Hardness:**
- **Lead:**
- **Chromium:**
- **Cadmium:**
- **Copper:**
- **Iron:**
- **Cobalt:**
- **Nickel:**
- **Zinc:**
- **Iron:**
- **Manganese:**
- **Molybdenum:**
- **Phosphate:**
- **TC:**
- **Vanadium:**
- **TC:**
- **Iron:**
- **Molybdenum:**
- **Phosphate:**
- **TC:**
- **Vanadium:**
- **Total Alkalinity:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**06-32-050-04 W5M**

**Well Number**: 05423

**Well Owner**: Gulf

**Drilling Contractor**: Tcar Holdings Ltd.

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<th>Value</th>
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<tr>
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<td>761</td>
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<tr>
<td>Licence No.</td>
<td>Easting: 29,620.89</td>
</tr>
<tr>
<td>Date Started:</td>
<td>Northing: 5,909,706.00</td>
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<tr>
<td>Date Completed:</td>
<td>15 Jan 85</td>
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**General**: New Well

**Drilling Method**: Rotary

**Well Use**: Industrial

**Completed Depth**: 16.5 (m)

**NPWL (m)**: 3.7

**Verified NPWL (m)**: 

**Abandonment**: 

**Casing**: Steel

**Depth (m)**: 16.5

**Bottom (m)**: 16.5

**OD (mm)**: 139.7

**Thickness (mm)**: 0.1

**Seal Type**: Driven & Cuttings

**from (m)**: to

**Liner**: Steel

**Type**: 

**OD (mm)**: 

**Thickness (mm)**: 

**Top (m)**: to

**Bottom (m)**: to

**Perforated How**: from (m): to Size:

<table>
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<th>to</th>
<th>Size</th>
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**Screen**: 

**Material**: 

**OD (mm)**: 

**from (m)**: to Size:

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<th>to</th>
<th>Size</th>
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<tbody>
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</tbody>
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**Open Hole**: 

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<th>to</th>
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</thead>
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<td>6.1</td>
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**Pump**: Sub

**Model**: 4

**Intake (m)**: 6.1

**Testing**:

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<th>Time (minute)</th>
<th>Level End (m)</th>
<th>Drawdown (m)</th>
<th>Rec'd Rate (lpm)</th>
<th>Rec'd intakes (m)</th>
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**Laboratory**:

- **pH (pH unit)**: 
- **Cond. (µS/cm)**: 
- **SAR**: 
- **DIC**: 
- **COD**: 
- **Selenium**: 
- **Sodium**: 
- **Nitrate**: 
- **Water Hardness**: 
- **Potassium**: 
- **Molybdenum**: 
- **Calcium**: 
- **Vanadium**: 
- **Magnesium**: 
- **Zinc**: 
- **Carbonate**: 
- **Hydroxide**: 
- **Bicarbonate**: 
- **Arsenic**: 
- **Barium**: 
- **Manganese**: 
- **Sulphate**: 
- **Beryllium**: 
- **Phosphate**: 
- **Chloride**: 
- **Iron**: 
- **Total Phosphate**: 
- **TOC**: 
- **Copper**: 
- **Total Alkalinity**: 
- **Silica**: 
- **Lead**: 
- **Nitrate & Nitrite**: 

**Remarks**: Water Well Positioned by PFRA in 10TM NAD 27

**Database**: Project: 1.000H

**Electric Log**: No

**Transmissivity**: m³/day

**Gamma Log**: No

**Storativity**: 

**Aquifer Test**: No

**AEP Data**: Yes

**Well Field Verified**: No

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**printed on 2/20/98**
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)
**NPWL (m):** 51.8
**Verified NPWL (m):**
**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **Thickness (mm):**
- **from (m):**
- **to:**

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrates:**
- **Nitrites:**
- **Cadmium:**
- **Beryllium:**
- **Barium:**
- **Iron:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Unknown  
- **Completed Depth:** 36.6 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
  - from (m): to Size:  
  - from (m): to Size:  

### Open Hole:
- from (m): to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (μS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Iron Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite

### Electric Log: No  
### Gamma Log: No  
### Aquifer Test: No  
### Project: Database: 1.000H  
### AEP Data: Yes  
### Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 70.1 (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):**
  - **to:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
- **Open Hole:**
- **from (m):**
  - **to:**

**Pump:**

- **Model:**
- **Intake (m):** 24.4

**Testing:**

- **Rate (lpm):** 9.1
- **Time (minute):** 240.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):**

**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<th>(AMSL)</th>
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<tr>
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**Electric Log:** No  **Transmissivity:** m³/day  **Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Project:** Database: 1,000H  **AEP Data:** Yes  **Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 9.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **25 Apr 67**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:** 788.0
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:** 187.80
- **Chloride:** 8.15
- **Fluoride:** 0.35
- **Iron:** 0.48
- **TOC:**
- **Silica:**

### Lithologic Description:
- (No Lithologic Information Available)

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 138.7 (m)
- **NPWL (m):** 26.2
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Steel
  - **Depth:** 67.1
  - **Bottom Depth:** 67.1
  - **OD (mm):** 143.0
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from:** (m) to 67.1
- **Type:** Driven
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.2
  - **Top:** 91.4 to 97.5
  - **Bottom:** 138.7
- **Perforated How:** Saw
  - **from:** (m) to 106.7 to 138.7
- **Screen Material:**
  - **OD (mm):**
  - **from:** (m) to Size:
  - **from:** (m) to Size:
- **Open Hole:**
  - **from:** (m) to
- **Pump:** Sub
  - **Model:** 22 Stage
  - **Intake (m):** 94.5
- **Testing:**
  - **Rate (lpm):** 16.0
  - **Time (minute):** 180.0
  - **Level End (m):** 128.0
  - **Drawdown (m):** 101.8
  - **Rec’d intakes (m):** 94.5
  - **Rec’d Rate (lpm):** 13.7

### Laboratory:
- **05 Dec 84**
- **pH (pH unit):** 8.90
- **Conductivity (µS/cm):** 1750
- **Total Dissolved Solids (TDS):** 1047
- **Sodium:** 445.05
- **Potassium:** 1.56
- **Calcium:** 2.00
- **Magnesium:** 60.00
- **Barium:** 927.96
- **Aluminium:** 5.76
- **Chloride:** 74.09
- **Fluoride:** 1.15
- **Iron:** 0.26
- **Total Organic Carbon (TOC):** 8.10

### Lithologic Description
- **Depth (m):**
- **Elevation (BGL) (m):**

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<th>(m)</th>
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### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 05428

**Well Owner:** Y.O.U.

**Drilling Contractor:** Holland Drilling Ltd.

**Elevation (AMSL) (m):** 683

**AEP:** 2010953

**Licence No.:** Easting: 35283.56

**Date Started:** 06 Dec 83

**Northing:** 5909602.50

**Date Completed:** 07 Dec 83
NE 36-050-04 W5M

Well Owner: Mcdougall, M.K.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 678
AEP: 410970
Licence No.: Easting: 36,895.82
Date Started: Northing: 5,810,219.41
Date Completed: 03 Jul 80

General:
Type of Work: Spring
Drilling Method: Unknown
Well Use: Domestic
Completed Depth 3.1 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
03 Jul 80
pH (pH unit) 8.50 COD Mercury
Cond. (µS/cm) 2850 SAR Nickel
TDS 1655 TKN Selenium
Sodium 569.02 Nitrate Strontium
Potassium 1.56 Nitrite Molybdenum
Calcium 12.02 TN Vanadium
Magnesium 1.95 TC Zinc
Carbonate 314.10 DIC Hydroxide
Bicarbonate 469.17 Arsenic Total Hardness 39.00
Aluminum 0.20 Barium Manganese
Sulphate 521.13 Beryllium Phosphate
Chloride 2.84 Cadmium Ion Balance 0.88
Fluoride 0.65 Chromium Amm. Nitrogen
Iron 0.20 Cobalt Total Phosphate
TOC 3.85 Copper Total Alkalinity 908.0
Silica 10.80 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m)
Lithologic Description

(No Lithologic Information Available)

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
Well Number 05430

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 54.6 m
- NPWL: 0 m
- Abandonment:

Casing:
- Type: Steel
- Depth: 39.9 m
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 39.3

Liner:
- OD (mm): 120.7
- Thickness (mm): 0.1
- Top (m): 51.8
- Bottom (m):

Perforated How: Machine
- from (m): 39.6 to 51.8

Screen:
- Material:
- OD (mm):
- from (m): to Size:

Open Hole:
- from (m): to

Pump: Sub
- Model: 4
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m): 21.6
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- silica:

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Well Number: 05430

Elevation (AMSL) (m): 680
Licence No.: AEP: 410961
Date Started: 23 May 85
Easting: 36,083.77
Date Completed: 24 May 85
Northing: 5,909,589.00

Depth Elevation (BGL) (AMSL) Lithologic Description
(m) (m)
38.4 641.2 Till Sandy Gray
39.6 640.0 Shale Brownish Yellow
41.2 638.5 Sandstone Gray
43.9 635.7 Siltstone Gray
51.2 628.4 Siltstone Gray
51.5 628.1 Shale Hard Gray
54.6 625.1 Siltstone Gray

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 05465

**NE 14-050-05 W5M**

**Well Owner:** Scheidmann, J.

**Drilling Contractor:** Scott, H.A. Drilling

**Elevation (AMSL) (m):** 729

**AEP:** 411075

**Licence No.:**

**Date Started:** 01 Jan 64

**Date Completed:** 20 Nov 64

**Easting:** 25,144.70

**Northing:** 5,905,692.50

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic

**Completed Depth:** 36.6 (m)

**NPWL (m):** 34.8

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:** Unknown
- **Depth (m):** 20.4
- **Bottom (m):** 20.4
- **OD (mm):** 127.0
- **Thickness (mm):**

**Seal Type:** Driven

**from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** 108.0
- **Thickness (mm):**

**Perforated How:**

- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 9.1
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Laboratory:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 05466  

**Well Owner:** Downey, F.  

**Drilling Contractor:** Hostyn Drilling Co. Ltd.  

**Elevation (AMSL) (m):** 690  

**Licence No.:** Easting: 24,754.24  
Northing: 5,904,477.00  

**Well Use:** Domestic & Stock  

**Drilling Method:** Rotary  

**Type of Work:** New Well  

**Completed Depth:** 24.4 (m)  

**NPWL (m):** 2.4  

**Verified NPWL (m):**  

**Abandonment:**  

**Type:** Plastic  

**Depth (m):** 18.3  

**Bottom (m):** 18.3  

**OD (mm):** 114.3  

**Thickness (mm):** 0.1  

**Seal Type:** Shale Trap  

**from (m):**  

**to 12.2**  

**Type:**  

**OD (mm):** 114.3  

**Thickness (mm):** 0.1  

**Top (m):**  

**Bottom (m):**  

**Perforated How:** Unknown  

**from (m):**  

**to Size:**  

**from (m):**  

**to Size:**  

**from (m):**  

**to Size:**  

**Material:**  

**OD (mm):**  

**from (m):**  

**to Size:**  

**from (m):**  

**to Size:**  

**Screen:**  

**from (m):**  

**to**  

**Open Hole:**  

**from (m):**  

**to**  

**Model:**  

**Intake (m):**  

**Rate (lpm):** 18.2  

**Time (minute):** 480.0  

**Level End (m):** 15.2  

**Drawdown (m):** 12.8  

**Rec’d intake (m):**  

**Rec’d Rate (lpm):** 13.7  

**Laboratory:**  

| pH (pH unit) | COD | Mercury |  
| Cond. (µS/cm) | SAR | Nickel |  
| TDS | TKN | Selenium |  
| Sodium | Nitrate | Strontium |  
| Potassium | Nitrite | Molybdenum |  
| Calcium | TN | Vanadium |  
| Magnesium | TC | Zinc |  
| Carbonate | DIC | Hydroxide |  
| Bicarbonate | Arsenic | Total Hardness |  
| Aluminum | Barium | Manganese |  
| Sulphate | Beryllium | Phosphate |  
| Chloride | Cadmium | Ion Balance |  
| Fluoride | Chromium | Amm. Nitrogen |  
| Iron | Cobalt | Total Phosphate |  
| TOC | Copper | Total Alkalinity |  
| Silica | Lead | Nitrate & Nitrite |  

**Chemical Constituents are in mg/l (ppm). Except as noted.**  

**Remarks:**  

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98  

**Electric Log:** No  

**Transmissivity:** m²/day  

**Gamma Log:** No  

**Storativity:**  

**Aquifer Test:** No  

**Project:** Database: 1.000H  

**AEP Data:** Yes  

**Well Field Verified:** No
**12-19-050-05 W5M**

**Well Owner:** Knopp, R.

**Drilling Contractor:** Schadeck, Otto Drilling

---

**Well Number 05470**

**Elevation (AMSL) (m):** 760  
**AEP:** 411091

**Licence No.:** Easting: 17,784.42  
**Date Started:** 01 Jan 73  
**Northing:** 5,906,340.00  
**Date Completed:** 01 Apr 73

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Stock
- **Completed Depth:** 83.8 (m)  
  **NPWL (m):** 42.7  
  **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 64.0  
  **Bottom (m):** 64.0  
- **OD (mm):** 127.0  
  **Thickness (mm):** 0.1
- **Seal Type:**
  - **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** 127.0  
  **Thickness (mm):** 0.1  
- **Top (m):**  
  **Bottom (m):**
- **Perforated How:**
  - **from (m):** 48.8 to 54.9  
  **Size:**
  - **from (m):** to  
  **Size:**
  - **from (m):** to  
  **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to  
  **Size:**
  - **from (m):** to  
  **Size:**

**Open Hole:**
- **from (m):** to

**Pump:** Sta-Rite Sub
- **Model:** 8 Stage
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 22.8  
  **Time (minute):** 360.0  
- **Level End (m):**  
  **Drawdown (m):** 21.3
- **Rec’d Rate (lpm):** 61.0  
  **Rec’d intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Manganese:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Transmissivity:** m²/day

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

---

*printed on 2/20/98*
Well Number: 05471

Well Owner: Knopp, R.
Drilling Contractor: Scott, H.A. Drilling

Elevation (AMSL) (m): 769
AEP: 411089
Licence No.: Easting: 17,869.72
Date Started: 01 Jan 63
Northing: 5,907,088.00
Date Completed: 01 Jan 63

General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic
Completed Depth 76.2 (m)
NPWL (m): 74.4 Verified NPWL (m):
Abandonment:
Casing:
Type: Unknown
Depth (m): 61.0 Bottom (m): 61.0
OD (mm): 143.0 Thickness (mm):
Seal Type: from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 45.6 Time (minute): 180.0
Level End (m): 56.4 Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** to Size:
- **Thickness (mm):**

**Open Hole:**
- **Model:**
- **Intake (m):**

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **22 Oct 73**
- **pH (pH unit):** 8.20
- **Cond. (µS/cm):** 1500
- **TDS:** 909.0
- **Sodium:** 374.90
- **Potassium:** 1.17
- **Calcium:** 6.01
- **Magnesium:** 1.74
- **Bicarbonate:** 937.11
- **Total Hardness:** 17.00
- **Aluminium:** 0.64
- **Barium:** 0.11
- **Sulphate:** 59.08
- **Chloride:** 1.06
- **Fluoride:** 1.10
- **Iron:** 0.50
- **TOC:** 2.00
- **Silica:** 2.50

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

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<th>Lithologic Description</th>
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<tr>
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**Well Number: 05472**
- **AEP: 411088**
- **Elevation (AMSL) (m):** 769
- **Eastings:** 17,869.72
- **Northing:** 5,907,088.00
- **Date Started:**
- **Date Completed:**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Important Notes:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Electric Log: No**
- **Transmissivity:** m²/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
Well Owner: Moelhoff, R.
Drilling Contractor: Summer'S Drilling Ltd.

Well Number 05473

Elevation (AMSL) (m): 765
AEP: 411140
Licence No.: Easting: 20,804.33
Date Started: 28 Feb 77
Northing: 5,906,892.00
Date Completed: 02 Mar 77

General:
Type of Work: New Well
Drilling Method: Bored
Well Use: Domestic
Completed Depth 18.3 (m)
NPWL (m): 8.2 Verified NPWL (m):
Abandonment:
Casing:
Type: Unknown
Depth (m): Bottom (m):
OD (mm): 635.0 Thickness (mm): 0.0
Seal Type:
from (m): to
Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model: Intake (m): 12.2
Testing:
Rate (lpm): 45.6 Time (minute): 180.0
Level End (m): 9.8 Drawdown (m): 1.5
Rec'd intake (m): 12.2 Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 20-050-05 W5M**

**Well Number:** 05474

**Well Owner:** Yekimchuk, A.

**Drilling Contractor:** Scott, H.A. Drilling

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<tbody>
<tr>
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<td>New Well</td>
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<td>Drilling Method:</td>
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<td>Gamma Log:</td>
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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 21-050-05 W5M**

**Well Owner:** Hunter, G.

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 63.4 (m)
- **NPWL (m):** 32.3
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 30.2
- **Bottom (m):** 30.2
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 30.2

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 63.4

**Perforated How:** Machine

- **from (m):** 36.6 to 48.8
- **Size:**
- **from (m):** 57.3 to 63.4
- **Size:**
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 51.8

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 13.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

---

**Laboratory:**

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<td>Silicon</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number 05475**

**Elevation (AMSL) (m):** 763

**AEP:** 411095

**Licence No.:**

**Date Started:** 19 Dec 88

**Date Completed:** 19 Dec 88

**Easting:** 21,902.47

**Northing:** 5,907,393.50

---

**Depth Elevation (BGL) (AMSL):**

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<td>16.1</td>
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<td>16.8</td>
<td>746.0 Sand Gray</td>
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<td>20.4</td>
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<td>63.4</td>
<td>699.3 Shale Green</td>
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---

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**printed on 2/20/98**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 23.5
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 39.6
- **Bottom (m):** 39.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 39.6

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 39.6
- **Bottom (m):** 72.2
- **Perforated How:** Machine
- **from (m):** 39.6 to 72.2
- **Size:**
- **from (m):** to 72.2
- **Size:**
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 6.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Total Phosphate:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Alkalinity:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number: 05476**

**Elevation (AMSL) (m):** 239

**AEP:** 411096

**Licence No.:**

**Date Started:** 27 Mar 89

**Easting:** 25,629.09

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Date Completed:** 01 May 89

**Northing:** 5,906,420.50

**New Well**

**Rotary**

**Clay Yellow**

**Shale Gray**

**Shale Sandy Gray**

**Clay Yellow**

**Shale Gray**

**Shale Sandy Gray**

**Shale Brown**

**Shale Gray**

**Sandstone**

**Shale & Coal Brown**

**Steel**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on 2/20/98**

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Database: 1.000H**

**AEP Data:** Yes

**Well Field Verified:** No
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Drilling Contractor:** Unknown Driller
- **Well Owner:** Piskunowicz
- **Licence No.:**
- **Elevation (AMSL) (m):** 717
- **Date Started:**
- **Easting:** 27,142.60
- **Northing:** 5,907,247.00
- **Date Completed:**

## Lithologic Description
(No Lithologic Information Available)

## Depth Elevation
<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
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</thead>
<tbody>
<tr>
<td><strong>BGL</strong></td>
<td><strong>AMSL</strong></td>
</tr>
</tbody>
</table>

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **AEP Data:** Yes
- **Project:** Database: 1.000 (H

## Laboratory:
- **pH (pH unit):** 8.10
- **Cond. (µS/cm):** 2280
- **TDS:** 1770
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** 30.06
- **Magnesium:** 3.40
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** 524.97
- **Chloride:** 3.90
- **Fluoride:** Chromium
- **Iron:** 1.00
- **TOC:** Copper
- **Silica:** Lead

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

## Chemical Constituents are in mg/l (ppm). Except as noted.

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Completed Depth:
- NPWL (m): 48.8
- Verif NPWL (m): 27
- Abandonment:

### Casings:
- **Type:**
  - Depth (m):
  - Bottom (m):
- **OD (mm):**
  - Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
  - OD (mm):
  - Top (m):
  - Bottom (m):
- **Perforated:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<thead>
<tr>
<th>Chemical Constituent</th>
<th>Value</th>
<th>Unit</th>
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<tbody>
<tr>
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<td>COD</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>2270</td>
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<tr>
<td>SAR</td>
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<tr>
<td>Sodium</td>
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<tr>
<td>Nitrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strontium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrite</td>
<td>2.35</td>
<td></td>
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<tr>
<td>Molybdenum</td>
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<td>10.02</td>
<td>mg/l</td>
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<td></td>
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<tr>
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<tr>
<td>TC</td>
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<tr>
<td>Zinc</td>
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<td>Carbonate</td>
<td>1013.99</td>
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</tr>
<tr>
<td>Arsenic</td>
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<td></td>
</tr>
<tr>
<td>Total Hardness</td>
<td>25.00</td>
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</tr>
<tr>
<td>Barium</td>
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<td>Manganese</td>
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<td>Sulphate</td>
<td>400.09</td>
<td>mg/l</td>
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<tr>
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<td>Phosphate</td>
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<td>Ion Balance</td>
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<td>Fluoride</td>
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<td>Chromium</td>
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<td>Amm. Nitrogen</td>
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<tr>
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<tr>
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<tr>
<td>Total Phosphate</td>
<td></td>
<td></td>
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<tr>
<td>TOC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td>832.0</td>
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<tr>
<td>Total Alkalinity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td>10.00</td>
<td>mg/l</td>
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<tr>
<td>Lead</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Laboratory Notes:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 24-050-05 W5M**

**Well Owner:** Franklin, S.

**Drilling Contractor:** Big Iron Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number: 05479</th>
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</thead>
<tbody>
<tr>
<td>Elevation (AMSL) (m): 691</td>
</tr>
<tr>
<td>AEP: 411156</td>
</tr>
<tr>
<td>Licence No.: 27,115.69</td>
</tr>
<tr>
<td>Date Started: 26 Jun 76</td>
</tr>
<tr>
<td>Easting: 5,906,266.50</td>
</tr>
<tr>
<td>Date Completed: 29 Jun 76</td>
</tr>
<tr>
<td>Northing:</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.2 (m)
- **NPWL (m):** 9.1
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 29.0
- **Bottom (m):** 29.0
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 13.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.2
- **Perforated How:** Torch
- **from (m):** to 50.3
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):** 43.6
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
**SW 24-050-05 W5M**

**Well Owner:** Homme, C.  
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th><strong>Well Number</strong></th>
<th>05480</th>
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</thead>
<tbody>
<tr>
<td><strong>Elevation (AMSL) (m):</strong></td>
<td>692</td>
</tr>
<tr>
<td><strong>AEP:</strong></td>
<td>411160</td>
</tr>
<tr>
<td><strong>Date Started:</strong></td>
<td>26,376.49</td>
</tr>
<tr>
<td><strong>North:</strong></td>
<td>5,906,104.47</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** Unknown
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 1.8 (m)  
**NPWL (m):**  
**Verified NPWL (m):**

**Abandonment:**
- **Type:**  
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**  
- **from (m):** to

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**  
- **from (m):** to

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**
- **Rate (lpm):**  
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **23 Mar 66**

<table>
<thead>
<tr>
<th><strong>pH (pH unit):</strong></th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td><strong>TDS:</strong> 1372</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td><strong>Potassium:</strong></td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td><strong>Magnesium:</strong></td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td><strong>Carbonate:</strong></td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
<td>Arsenic</td>
<td>Total Hardness 300.00</td>
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<td><strong>Aluminium:</strong></td>
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<td>Manganese</td>
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<td><strong>Sulphate:</strong> 344.86</td>
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<tr>
<td><strong>Fluoride:</strong></td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td><strong>Iron:</strong></td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<td><strong>TOC:</strong></td>
<td>Copper</td>
<td>Total Alkalinity 700.0</td>
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<tr>
<td><strong>Silica:</strong></td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
**05-25-050-05 W5M**

Well Owner: **Zaniewicz, W.**
Drilling Contractor: **Unknown Driller**

**Well Number 05481**

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<tr>
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<th>AEP:</th>
<th>41129</th>
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<tbody>
<tr>
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<tr>
<td>Easting:</td>
<td>25,964.47</td>
<td>Northing:</td>
<td>5,908,205.50</td>
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**General:**

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<th>Type of Work:</th>
<th>Chemistry</th>
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<tr>
<td>Drilling Method:</td>
<td>Unknown</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<tr>
<td>Completed Depth:</td>
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<td>NPWL (m):</td>
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<tr>
<td>Verified NPWL (m):</td>
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<td>Abandonment:</td>
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**Casing:**

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<tbody>
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<td>Bottom (m):</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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**Liner:**

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<tr>
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<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
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<td>from (m):</td>
<td>to</td>
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<tr>
<td>from (m):</td>
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**Screen:**

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<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<td>Open Hole:</td>
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**Pump:**

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<tr>
<th>Model:</th>
<th>Intake (m):</th>
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**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tbody>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

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<tr>
<th>pH (pH unit):</th>
<th>7.95 COD</th>
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<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS 456.0</td>
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<td>Potassium 3.91</td>
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<td>Calcium 42.08</td>
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<td>Magnesium 46.82</td>
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<td>Carbonate 331.89</td>
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<td>Bicarbonate 331.89</td>
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<td>Amm. Nitrogen</td>
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<td>Iron 0.04</td>
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<td>TOC 0.04</td>
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<td>Silica 0.04</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

| (No Lithologic Information Available) |

**Electric Log:** No  Transmissivity: m³/day
**Gamma Log:** No  Storativity:  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  Well Field Verified: No
Well Owner: Zaneiwicz, S.

Drilling Contractor: Morrill’S Water Well Drilling Ltd.

Elevation (AMSL) (m): 769  AEP: 411296
Licence No.:  Easting: 25,948.74
Date Started: 01 Jan 73  Northing: 5,908,193.50
Date Completed: 01 Sep 73

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth: 57.9 (m)
NPWL (m): 36.6  Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 53.3  Bottom (m): 53.3
OD (mm): 114.3  Thickness (mm):
Seal Type: Driven
from (m): to

Liner:
Type:
OD (mm):  Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to  Size:
from (m): to  Size:
from (m): to  Size:

Screen:
Material:
OD (mm):
from (m): to  Size:
from (m): to  Size:

Open Hole:
from (m): to

Pump: Southern Dinnin
Model: Intake (m):
Testing:
Rate (lpm): 73.0  Time (minute):
Level End (m): Drawdown (m): 36.6
Rec'd intake (m): 42.7  Rec'd Rate (lpm):

Laboratory:
pH (pH unit)  COD  Mercury
Cond. (µS/cm)  SAR  Nickel
TDS  TKN  Selenium
Sodium  Nitrate  Strontium
Potassium  Nitrite  Molybdenum
Calcium  TN  Vanadium
Magnesium  TC  Zinc
Carbonate  DIC  Hydroxide
Bicarbonate  Arsenic  Total Hardness
Aluminum  Barium  Manganese
Sulphate  Beryllium  Phosphate
Chloride  Cadmium  Ion Balance
Fluoride  Chromium  Amm. Nitrogen
Iron  Cobalt  Total Phosphate
TOC  Copper  Total Alkalinity
Silica  Lead  Nitrate&Nitrite N

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 59.4 m
- **NPWL (m):** 24.4
- **Abandonment:**
- **Type:** Galvanized Steel
- **Depth (m):** 51.2
- **Bottom (m):** 51.2
- **OD (mm):** 114.3
- **Thickness (mm):** 34.8
- **Seal Type:** Unknown
- **from (m):** to 34.8

### Casing
- **Type:** Galvanized Steel
- **Depth (m):** 51.2
- **Bottom (m):** 51.2
- **OD (mm):** 114.3
- **Thickness (mm):**
- **from (m):** to 34.8

### Liner
- **Type:** Unknown
- **Depth (m):** 51.2
- **Bottom (m):** 51.2
- **OD (mm):** 114.3
- **Thickness (mm):**
- **from (m):** to 34.8

### Screen
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**

### Open Hole
- **from (m):** to

### Pump
- **Type:** Starite
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 73.0
- **Time (minute):**
- **Level End (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock

**Completed Depth:**
- 32.0 (m)
- NPWL (m): 17.7
- Verified NPWL (m): 17.7

**Abandonment:**
- Type: Plastic
- Depth (m): 32.0
- Bottom (m): 32.0
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Unknown
- from (m): to 25.9

**Liner:**
- Type:
  - OD (mm):
  - Top (m):
  - Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): 24.4

**Testing:**
- Rate (lpm): 36.5
- Time (minute): 480.0
- Level End (m): 24.4
- Drawdown (m): 5.2
- Rec'd intake (m): 22.9
- Rec'd Rate (lpm): 22.8

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silicon: Sillicate
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 26-050-05 W5M**

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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### Depth Elevation

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<td>30.5</td>
<td>732.4</td>
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</table>

### Lithologic Description

- Clay Sandy Yellow
- Sandstone Yellow
- Shale Fractured Gray
- Shale Green
- Sandstone

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 30.5 (m)
- **NPWL (m):** 13.1
- **Verified NPWL:**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 21.6
- **Bottom (m):** 21.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap

#### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 20.7
- **Bottom (m):** 30.5
- **Perforated How:** Other

#### Screen:

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Size:**

#### Open Hole:

- **from (m):**
- **to:**

#### Pump:

- **Model:**
- **Intake (m):** 21.3
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 21.3
- **Drawdown (m):** 8.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Alumnum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **TOC:**
- **Silica:** Lead

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

*printed on 2/20/98*
| Well Number: 05486 |  
| Well Owner: Rabe, H. | Elevation (AMSL) (m): 745  
| Drilling Contractor: Unknown Driller | AEP: 411301  
| Licence No.: 26-050-05 W5M | Date Started:  
| Date Completed: | Northing: 5,907,826.00  

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 23.8 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

#### Laboratory:

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<tr>
<td>Silica</td>
<td>0.94</td>
<td>Lead - Nitrate &amp; Nitrite N</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing:
- **Electric Log:** No  
- **Gamma Log:** No  
- **Aquifer Test:** No  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 17.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 51.2
- **Bottom (m):** 51.2
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Formation Packer
- **from (m):** to 33.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** Bottom (m): 51.2

**Perforated How:** Torch
- **from (m):** 38.4 to 51.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Beatty
- **Model:** Ba8
- **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 73.0
- **Time (minute):** 240.0
- **Level End (m):** 21.3
- **Drawdown (m):** 3.7
- **Rec’d intake (m):** 45.7
- **Rec’d Rate (lpm):**

**Laboratory:** 04 Jan 82
- **pH (pH unit):** 8.70
- **COD:** Mercury
- **Cond. (µS/cm):** 1528 SAR Nickel
- **TDS:** 849.0 TKN Selenium
- **Sodium:** 335.11 Nitrate Strontium
- **Potassium:** 1.17 Nitrite Molybdenum
- **Calcium:** 2.00 TN Vanadium
- **Magnesium:** 4.01 TC Zinc
- **Carbonate:** 20.10 DIC Hydroxide
- **Bicarbonate:** 807.16 Arsenic Total Hardness 21.00
- **Aluminum:** Barium Manganese
- **Sulphate:** 85.01 Beryllium Phosphorus
- **Chloride:** 3.90 Cadmium Ion Balance 0.94
- **Fluoride:** 2.48 Chromium Amm. Nitrogen
- **Iron:** 0.05 Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity 696.0
- **Silica:** 8.80 Lead Nitrate & Nitrite N

**Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**

**Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 30.5 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** Size:
- **from (m):** Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Intake (m):

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd Rate (lpm):** Rec'd intake (m):

## Laboratory:
- **09 Jul 84**
- **pH (pH unit):** 8.20
- **Cond. (µS/cm):** 1680
- **TDS:** 1072
- **Sodium:** 410.09
- **Potassium:** 1.17
- **Calcium:** 10.02
- **Magnesium:** 1.95
- **Bicarbonate:** 779.10
- **Barium:** 263.20
- **Nitrate:** 1.000H
- **Fluoride:** 0.08
- **Iron:** 0.50
- **TOC:** 9.10
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **TC:**
- **DIC:**
- **Gamma Log:**
- **Aquifer Test:**
- **Database:**
- **Transmissivity:** m²/day
- **Storativity:**
- **AEP Data:** Yes

*Chemical Constituents are in mg/l (ppm). Except as noted.*

## Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 21.3 m
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casings:
- **Type:** Galvanized Steel
- **Depth (m):** 19.8
- **Bottom (m):** 19.8
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Formation Packer
- **from (m):** to **15.5**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** to **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 18.3

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 240.0
- **Level End (m):** 15.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation
- **BGL (m):**
- **AMSL (m):**
- **Lithologic Description**
  - 1.5 753.4 Shale & Sandstone
  - 4.6 750.3 Clay
  - 9.1 745.8 Sand Brown
  - 21.3 733.6 Lost Circulation

### Electric Log: No
- **Transmissivity:** m²/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **AEP Data: Yes**
- **Well Field Verified: No**

### Project: Database: 1.000H

---

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 19.8 (m)
- **NPWL (m):** 12.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:** Loose
- **from (m):**
- **to:**

### Liner:

- **Type:**
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 19.8
- **Perforated How:** Torch
- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 63.9
- **Time (minute):** 300.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 33.5 m (m)
- **NPWL (m):** 21.9
- **Veriﬁed NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 9.1
- **Bottom (m):** 9.1
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
  - from (m): to 9.1

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** Torch
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 41.1
- **Time (minute):** 120.0
- **Level End (m):** 21.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SW 29-050-05 W5M**

**Well Owner:** Lemke, O.

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Well Number:** 05492

**Elevation (AMSL) (m):** 769

**AEP:** 411309

**Licence No.:** Easting: 19,419.79

**Date Started:** Northing: 5,907,974.50

**Date Completed:** 09 Jun 88

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 21.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 32.6
- **Bottom (m):** 32.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 32.6

**Liner:**

- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 48.8
- **Perforated How:** Machine
- **from (m):** 42.7 to 48.8
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):** 33.5

**Testing:**

- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 8.5
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):** 91.2

---

**Laboratory:**

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<th>pH (pH unit)</th>
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<td>Fluoride</td>
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<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td></td>
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<td></td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>(m)</td>
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<td>41.2</td>
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<td>43.9</td>
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<td>46.0</td>
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<tr>
<td>48.8</td>
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</table>

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

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printed on 2/20/98
### General:
- **Type of Work:** Coal Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Other
- **Completed Depth:** 149.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type: from (m): to

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How: from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm): from (m): to Size:
  - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Nitrite:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Copper:**
- **Sodium:**
- **Nitrate:**
- **Nitrite:**

### Electric Log:
- Yes
- **Transmissivity:** m³/day

### Gamma Log:
- Yes
- **Storativity:**

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### AEP Data:
- Yes
- **Well Field Verified:** No

---

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number 05494**

**Well Owner:** Smith, D.  
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th>Well Owner: Smith, D.</th>
<th>Smith, D. 411313773</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m):</td>
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<td>License No.:</td>
<td>411313</td>
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<td>Date Started:</td>
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<td>Date Completed:</td>
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**General:**

- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

**Completion Details:**

- **Completed Depth:** (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**  
- **Depth (m):** Bottom (m):  
- **Thickness (mm):**
- **OD (mm):**
- **from (m):** to

**Liner:**

- **Type:**  
- **OD (mm):**
- **Top (m):** Bottom (m):  
- **Thickness (mm):**

**Perforated How:**

- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**

- **Material:**  
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**  
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory: 13 May 80**

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<td><strong>Fluoride:</strong> 0.20</td>
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<td><strong>Iron:</strong> 0.10</td>
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<td><strong>TOC:</strong> 0.10</td>
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<tr>
<td><strong>Silica:</strong> 0.10</td>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 33.5 (m)
- **NPWL (m):** 18.3
- **Abandonment:**

### Casting:
- **Type:** Steel
- **Depth (m):** 16.5
- **Bottom (m):** 16.5
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 16.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):**
- **Bottom (m):** 33.5
- **Perforated How:** Torch
- **from (m):** to 33.5
- **Size:**
- **from (m):** to 33.5
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 24.4

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 6.1
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sulfate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate Nitrite:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 (m)
  - NPWL (m): 19.2
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm): 21.3
- **Seal Type:** Bentonite Chips/Tabl

**Liner:**
- **Type:**
  - OD (mm): Thickness (mm): 0.1
  - Top (m): Bottom (m): 39.6
- **Perforated How:** Machine
  - from (m): to 39.6 Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m): 25.9

**Testing:**
- **Rate (lpm):** 91.2
  - Time (minute): 120.0
  - Level End (m): 25.9
  - Drawdown (m): 6.7
  - Rec'd intake (m): 30.5
  - Rec'd Rate (lpm): 45.6

**Laboratory:**
- **pH (pH unit):** COD
  - Cond. (µS/cm): SAR
  - TDS: TKN
  - Sodium: Nitrate
  - Potassium: Nitrite
  - Calcium: TN
  - Magnesium: TC
  - Carbonate: DIC
  - Bicarbonate: Arsenic
  - Aluminum: Barium
  - Sulphate: Beryllium
  - Chloride: Cadmium
  - Fluoride: Chromium
  - Iron: Cobalt
  - TOC: Copper
  - Silica: Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>11.3</td>
<td>753.5</td>
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<td>17.1</td>
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<td>23.8</td>
<td>741.0</td>
<td>Shale Gray</td>
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<td>26.2</td>
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<td>Sandstone Fine Grained Gray</td>
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<td>29.9</td>
<td>734.9</td>
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</tr>
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<td>34.8</td>
<td>730.0</td>
<td>Sand &amp; Sandstone Gray</td>
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<td>36.9</td>
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<td>37.5</td>
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<td>Shale Sandy Gray</td>
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<td>39.6</td>
<td>725.1</td>
<td>Shale Gray</td>
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</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number 05496**

**Well Owner:** Worden, Jack

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 765

**AEP:** 400383

**Licence No.:**

**Easting:** 18,231.43

**Date Started:** 21 Dec 94

**Norting:** 5,907,701.00

**Date Completed:** 21 Dec 94

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
SE 31-050-05 W5M

Well Owner: Lemke, A.
Drilling Contractor: Scott, H.A. Drilling

Well Number: 05497
Elevation (AMSL) (m): 767
AEP: 411315
Licence No.: Easting: 19,240.21
Date Started: 01 Nov 80
Northing: 5,900,616.00
Date Completed: 01 Nov 80

General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic & Stock
Completed Depth: 30.5 (m)
NPWL (m): 19.8
Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 12.2 Bottom (m): 12.2
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 12.2

Liner:
Type:
OD (mm): 114.3 Thickness (mm):
Top (m): Bottom (m): 30.5
Perforated How: Torch
from (m): 24.4 to 30.5 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 21.3

Testing:
Rate (lpm): 41.1 Time (minute): 1200.0
Level End (m): 21.3 Drawdown (m): 1.5
Rec’d intake (m): 21.3 Rec’d Rate (lpm): 41.1

Laboratory:
20 Nov 84

pH (pH unit): 8.10 COD Mercury
Cond. (µS/cm): 596.0 SAR Nickel
TDS: 322.0 TKN 0.07 Selenium
Sodium: 9.89 Nitrate Strontium
Potassium: 3.13 Nitrite Molybdenum
Calcium: 71.94 TN Vanadium
Magnesium: 30.04 TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: 389.85 Arsenic Total Hardness 303.00
Aluminum: Barium Manganese
Sulphate: 8.17 Beryllium Phosphate
Chloride: 2.84 Cadmium Ion Balance 0.98
Fluoride: 0.12 Chromium Amm. Nitrogen
Iron: 0.13 Cobalt Total Phosphate
TOC: Copper Total Alkalinity 320.0
Silica: 10.10 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Elevation (AMSL) (m):** 747
- **NPWL (m):** 10.7
- **Abandonment:**
  - **Type:** Unknown
  - **Depth (m):** 24.4
  - **Bottom (m):** 24.4
  - **OD (mm):** 127.0
  - **Thickness (mm):**
  - **Seal Type:** Loose
  - **from (m):** to
- **Liner:**
  - **Type:**
  - **OD (mm):** 127.0
  - **Thickness (mm):**
  - **from (m):** to
  - **Top (m):** Bottom (m)
  - **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:** Rod
  - **Model:** 2.5
  - **Intake (m):** 21.3
  - **Testing:**
    - **Rate (lpm):** 18.2
    - **Time (minute):** 60.0
    - **Level End (m):** Drawdown (m)
    - **Rec'd intake (m):** 21.3
    - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR
  - **SAR:**
  - **COD:**
  - **Mercury:**
- **TDS:**
  - **TKN:**
  - **Sodium:**
    - **Nitrate:**
  - **Potassium:**
    - **Nitrite:**
  - **Calcium:**
    - **TN:**
  - **Magnesium:**
    - **TC:**
  - **Carbonate:**
    - **DIC:**
  - **Bicarbonate:**
    - **Arsenic:**
  - **Aluminium:**
    - **Manganese:**
  - **pH:**
    - **Sulphate:**
    - **Beryllium:**
  - **Chloride:**
    - **Cadmium:**
  - **Fluoride:**
    - **Chromium:**
  - **Iron:**
    - **Cobalt:**
  - **TOC:**
    - **Copper:**
  - **Silica:**
    - **Lead:**
  - **Nitrate & Nitrite:**
  - **Open Hole:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Database:**
- **Project:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
- **Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 32.9 m
- **NPWL (m):** 13.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 5.5
- **Bottom (m):** 5.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 5.5

### Liner:
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):**
- **Bottom (m):** 30.5
- **Perforated How:** Machine
- **from (m):** 6.1
- **to:** 30.5

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Grundfos
- **Intake (m):** 24.4

### Testing:
- **Rate (lpm):** 205.2
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 21.0
- **Rec'd intake (m):** 25.6
- **Rec'd Rate (lpm):** 205.2

### Laboratory:
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrte:** Molybdenum
- **Beryllium:** Vanadium
- **Barium:** Hydroxide
- **Chromium (Amm. Nitrogen):** Total Hardness
- **Beryllium:** Manganese
- **Cadmium:** Phosphate
- **Calcium:** Ion Balance
- **Chloride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **Selenium:** Total Alkalinity
- **Manganese:** Nitrate
- **Aluminum:** Nitrile
- **Sodium:** Lead
- **Barium:** Bicarbonate
- **Calcium:** Alkaline
- **Chloride:** Total Hardness

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
  - **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

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Water Well Positioned by PFRA in 10TM NAD 27

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Printed on 2/20/98
**Well Information**

**Well Number:** 05500

**Well Owner:** Paragon/C/O Barlon

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 768

**AEP:** 415965

**Licence No.:** Easting: 23,959.62

**Date Started:** 15 Jul 95

**Date Completed:** 15 Jul 95

**Well Type:** New Well

**Drilling Method:** Rotary

**Well Use:** Industrial

**Completed Depth:** 64.0 (m)

**NPWL (m):** 25.9

**Verified NPWL (m):** 25.9

**Abandonment:**

**Casing:**

**Type:** Steel

**Depth (m):** 9.8

**Bottom (m):** 9.8

**OD (mm):** 139.7

**Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** to 9.8

**Liner:**

**Type:**

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Top (m):** to 61.0

**Bottom (m):** to 61.0

**Perforated How:** Machine

**from (m):** 24.4 to 61.0

**Size:**

**from (m):** to

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to

**Screen:**

**from (m):** to

**Open Hole:**

**from (m):** to

**Pump:** Sub

**Model:** Gufnos 4105

**Intake (m):** 39.6

**Testing:**

**Rate (lpm):** 228.1

**Time (minute):** 120.0

**Level End (m):** 39.6

**Drawdown (m):** 13.7

**Rec’d intake (m):** 57.9

**Rec’d Rate (lpm):** 228.1

**Laboratory:**

pH (pH unit) | COD | Mercury
---|---|---
Cond. (µS/cm) | SAR | Nickel
TDS | TKN | Selenium
Sodium | Nitrate | Strontium
Potassium | Nitrite | Molybdenum
Calcium | TN | Vanadium
Magnesium | TC | Zinc
Carbonate | DIC | Hydroxide
Bicarbonate | Arsenic | Total Hardness
Aluminum | Barium | Manganese
Sulphate | Beryllium | Phosphate
Chloride | Cadmium | Ion Balance
Fluoride | Chromium | Amm. Nitrogen
Iron | Cobalt | Total Phosphate
TOC | Copper | Total Alkalinity
Silica | Lead | Nitrate & Nitrite

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 30.8 (m)
- **NPWL (m):** 20.7
- **Abandonment:**
  - **Type:** Unknown
  - **Depth (m):** 27.1
  - **Bottom (m):** 27.1
  - **OD (mm):** 127.0
  - **Thickness (mm):**
    - from (m): to
  - **Seal Type:** Driven
  - **Perforated How:**
    - from (m): to
    - Size:
    - from (m): to
    - Size:
  - **Type:**
    - from (m): to
    - Thickness (mm):
    - Top (m): Bottom (m)
  - **Material:**
    - from (m): to
    - Size:
    - from (m): to
    - Size:
  - **Type:**
    - from (m): to
    - Thickness (mm):
    - OD (mm):
  - **Type:**
    - from (m): to
    - Size:
    - from (m): to
    - Size:
  - **Screen:**
    - **Material:**
    - **Thickness (mm):**
    - **OD (mm):**
    - **from (m): to**
    - **Size:**
    - **from (m): to**
    - **Size:**
  - **Open Hole:**
    - **from (m): to**
  - **Pump:**
    - **Model:** Intake (m):
    - **Testing:**
      - **Rate (lpm):** 45.6
      - **Time (minute):** 60.0
      - **Level End (m):**
      - **Rec'd intake (m):**
      - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR, Nickel
- **TDS:** TKN, Selenium
- **Sodium:** Nitrate, Strontium
- **Potassium:** Nitrite, Molybdenum
- **Calcium:** TN, Vanadium
- **Magnesium:** TC, Zinc
- **Carbonate:** DIC, Hydroxide
- **Bicarbonate:** Arsenic, Total Hardness
- **Aluminum:** Barium, Manganese
- **Sulphate:** Beryllium, Phosphate
- **Chloride:** Cadmium, Ion Balance
- **Fluoride:** Chromium, Amm. Nitrogen
- **Iron:** Cobalt, Total Phosphate
- **TOC:** Copper, Total Alkalinity
- **Silica:** Lead, Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No, **Transmissivity:** m²/day
**Gamma Log:** No, **Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes, **Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
**NW 34-050-05 W5M**

**Well Owner:** Case, D.

**Drilling Contractor:** Scott, H.A. Drilling

**Well Number:** 05502

**Elevation (AMSL) (m):** 756

**AEP:** 411320

**Licence No.:** Easting: 22,822.97

**Date Started:** 01 Jan 64

**Northing:** 5,810,421.50

**Date Completed:** 25 Oct 64

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 24.4 (m)
- **NPWL (m):** 22.6
- **Verified NPWL (m):**

**Abandonment:**
- **Type:** Unknown
- **Depth (m):** 24.4
- **Bottom (m):** 24.4
- **OD (mm):** 127.0
- **Thickness (mm):**

**Seal Type:** Loose
from (m): 
to

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):**
- **Top (m):** 
- **Bottom (m):**

**Perforated How:** Unknown
from (m): to
Size:
from (m): to
Size:
from (m): to
Size:

**Screen:**
- **Material:**
- **OD (mm):**
from (m): to
Size:
from (m): to
Size:

**Open Hole:**
from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 10.7
- **Drawdown (m):**
- **Rec’d intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Alumium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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<td>to</td>
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<td><strong>Pump:</strong></td>
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<tr>
<td><strong>Model:</strong></td>
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<tr>
<td><strong>Intake (m):</strong></td>
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</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
  - NPWL (m): 29.6
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
  - **Depth (m):** 20.4
  - **Bottom (m):** 20.4
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 20.4

**Liner:**
- **OD (mm):** 114.3
  - **Thickness (mm):**
- **Top (m):**
  - **Bottom (m):** 57.9

**Perforated How:** Torch
- **from (m):** 51.5 to 57.9
  - **Size:**
- **from (m):** to 57.9
  - **Size:**
- **from (m):** to 57.9
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):**
  - **to:**

**Pump:** Beatty
- **Model:**
  - **Intake (m):**

**Testing:**
- **Rate (lpm):** 36.5
  - **Time (minute):** 240.0
- **Level End (m):** 30.5
  - **Drawdown (m):** 0.9
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
  - **DIC:**
  - **Bicarbonate:**
  - **Arsenic:**
  - **Barium:**
  - **Sulphate:**
  - **Beryllium:**
  - **Chloride:**
  - **Cadmium:**
  - **Chromium:**
  - **Fluoride:**
  - **Iron:**
  - **TOC:**
  - **Silica:**
  - **Lead:**
    - **Nitrate & Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 05503**

- **Elevation (AMSL) (m):** 756
- **AEP:** 411321
- **Licence No.:** Easting: 22,822.97
- **Date Started:** Northing: 5,810,421.50
- **Date Completed:** 20 Nov 79

**Depth Elevation (BGL) (AMSL)**

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<td>15.2</td>
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<td>51.8</td>
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<td>57.9</td>
<td>698.3</td>
<td>Sand Gray</td>
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**Electric Log:** No  **Transmissivity:** m³/day
- **Gamma Log:** No  **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes  **Well Field Verified:** No

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Stock
- **Completed Depth:** 19.8 (m)
- **NPWL (m):** 10.1
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 15.9
  - **Bottom (m):** 15.9
- **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven

**Liner:**

- **Type:**
  - **OD (mm):**
    - **Top (m):**
  - **Perforated How:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

**Screen:**

- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
  - **Intake (m):** 15.5

**Testing:**

- **Rate (lpm):** 27.4
  - **Time (minute):** 120.0
- **Level End (m):** 14.0
  - **Drawdown (m):** 4.0
- **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

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<th>Elevation (m)</th>
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<td>725.2</td>
<td>Clay</td>
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<td>15.2</td>
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<td>18.3</td>
<td>716.0</td>
<td>Shale &amp; Sandstone Gravelly</td>
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<td>19.8</td>
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<td>Shale Gray</td>
</tr>
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</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 42.7 (m)
- **NPWL:** 29.0 (m)
- **Verify NPWL:** (m)
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 13.7
- **Bottom (m):** 13.7
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Type:** Driven
- **from (m):** to 13.7

### Liner:
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 12.2
- **Bottom (m):** 42.7

### Perforated How:
- **Machine**
- **from (m):** 36.6 to 42.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Test Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 36.6

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End:** Depth (m): 36.6
- **Drawdown:** (m): 7.6
- **Rec'd Rate:** Intake (m): 45.6

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

### Depth Elevation (BGL) (AMSL)

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.9</td>
<td>746.5</td>
<td>Clay</td>
</tr>
<tr>
<td>9.4</td>
<td>745.0</td>
<td>Shale Shattered Green</td>
</tr>
<tr>
<td>12.2</td>
<td>742.3</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>13.4</td>
<td>741.0</td>
<td>Sandstone &amp; Shale Strg'S</td>
</tr>
<tr>
<td>15.2</td>
<td>739.2</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>20.1</td>
<td>734.3</td>
<td>Shale &amp; Sandstone Gray</td>
</tr>
<tr>
<td>20.7</td>
<td>733.7</td>
<td>Coal</td>
</tr>
<tr>
<td>24.1</td>
<td>730.4</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>25.0</td>
<td>729.5</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>29.6</td>
<td>724.9</td>
<td>Shale Green</td>
</tr>
<tr>
<td>35.4</td>
<td>719.1</td>
<td>Sandstone &amp; Shale Strg'S Gray</td>
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<tr>
<td>37.8</td>
<td>716.7</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>39.6</td>
<td>714.8</td>
<td>Sand &amp; Sandstone Gray</td>
</tr>
<tr>
<td>42.7</td>
<td>711.8</td>
<td>Sand Gray</td>
</tr>
</tbody>
</table>

### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Database:
- 1.000H
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 12.2
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 19.8
- **Bottom (m):** 19.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** to 19.8

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 18.3
- **Bottom (m):** 36.6
- **Perforated How:** Other
- **from (m):** to 33.5
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **Open Hole:**
- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 18.3
- **Drawdown (m):** 6.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
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<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Potassium</td>
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<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
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<td>Sulphate</td>
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<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
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<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
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</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
</tr>
<tr>
<td></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>2.4</td>
<td>756.9</td>
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<tr>
<td>5.8</td>
<td>753.6</td>
<td>Clay Sandy Yellow</td>
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<td>745.7</td>
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<td>22.3</td>
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<td>23.8</td>
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<td>730.1</td>
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<tr>
<td>32.6</td>
<td>726.8</td>
<td>Sandstone</td>
</tr>
<tr>
<td>36.6</td>
<td>722.8</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 30.5 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
  - **from (m):** to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value (mg/l or ppm)</th>
<th>Unit(s)</th>
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<td>TDS</td>
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<td>Potassium</td>
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<tr>
<td>Bicarbonate</td>
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<td>SAR</td>
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<td>Bicarbonate</td>
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<tr>
<td>Chloride</td>
<td>75.15</td>
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<tr>
<td>Fluoride</td>
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<tr>
<td>Iron</td>
<td>2.56</td>
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<tr>
<td>TOC</td>
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<td></td>
</tr>
<tr>
<td>Silica</td>
<td>17.90</td>
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</tr>
</tbody>
</table>

### Depth

<table>
<thead>
<tr>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(m)</td>
<td>(No Lithologic Information Available)</td>
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### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Database:** 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10Tm NAD 27
Well Number: 05508

Well Owner: Amoco Can Petro Comp Ltd #Sp3
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 747
AEP: 411326
Licence No.: Easting: 26,158.55
Date Started: 10 Jun 73
Northing: 5,810,344.64
Date Completed: 28 Jun 73

General:
Type of Work: Flowing Shot Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth: 24.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Bassani Plug 28 Jun 73

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

print 2/20/98
**NW 36-050-05 W5M**

**Well Number:** 05509

**Well Owner:** Cormies Ranch

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 747

**AEP:** 411325

**Licence No.:**

**Date Started:** 01 Jan 67

**Date Completed:** 02 Nov 67

**Well Use:** Stock

**Drilling Method:** Cable Tool

**Completed Depth:** 51.8 (m)

**NPWL (m):** 10.7

**Abandonment:**

**Type of Work:** New Well

**Well Use:** Stock

**Drilling Method:** Cable Tool

**Completed Depth:** 51.8 (m)

**NPWL (m):** 10.7

**Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Bottom (m)</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.3</td>
<td>728.6</td>
<td>Sand</td>
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<tr>
<td>27.4</td>
<td>719.5</td>
<td>Shale</td>
</tr>
<tr>
<td>29.9</td>
<td>717.0</td>
<td>Sand</td>
</tr>
<tr>
<td>36.9</td>
<td>710.0</td>
<td>Shale</td>
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<td>38.4</td>
<td>708.5</td>
<td>Sandstone</td>
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<tr>
<td>49.4</td>
<td>697.5</td>
<td>Shale</td>
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<tr>
<td>50.3</td>
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<td>Coal</td>
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<td>51.8</td>
<td>695.1</td>
<td>Shale</td>
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</tbody>
</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 36-050-05 W5M**

**Well Number:** 05510

<table>
<thead>
<tr>
<th>Well Owner: Zaniewicz, Stan</th>
<th>Elevation (AMSL) (m): 753</th>
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<tbody>
<tr>
<td>Drilling Contractor: Morrill’S Water Well Drilling Ltd.</td>
<td>AEP: 365828</td>
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<td></td>
<td>Licence No.:</td>
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<tr>
<td></td>
<td>Date Started: 15 Aug 92</td>
</tr>
<tr>
<td></td>
<td>Northing: 5,908,342.00</td>
</tr>
<tr>
<td></td>
<td>Date Completed: 15 Aug 92</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 29.9 m
- **NPWL (m):** 4.3
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 11.3
  - **Bottom (m):** 11.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 11.3

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 9.8
- **Bottom (m):** 29.9
- **Perforated How:** Machine
  - **from (m):** to 29.9
  - **Size:**
    - **from (m):** to Size:
- **Screen:**
  - **Material:**
    - **OD (mm):**
      - **from (m):** to Size:
      - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to

**Pump:**
- **Model:** Intake (m): 21.3

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 21.3
- **Drawdown (m):** 17.1
- **Rec’d intake (m):**
  - **Rec’d Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
  - **COD:** Mercury
- **Cond. (µS/cm):**
  - **SAR:** Nickel
- **TDS:**
  - **TKN:** Selenium
- **Sodium:**
  - **Nitrate:** Strontium
- **Potassium:**
  - **Nitrite:** Molybdenum
- **Calcium:**
  - **TN:** Vanadium
- **Magnesium:**
  - **TC:** Zinc
- **Carbonate:**
  - **DIC:** Hydroxide
- **Bicarbonate:**
  - **Arsenic:** Total Hardness
- **Aluminum:**
  - **Barium:** Manganese
- **Sulphate:**
  - **Beryllium:** Phosphate
- **Chloride:**
  - **Cadmium:** Ion Balance
- **Fluoride:**
  - **Chromium:** Amm. Nitrogen
- **Iron:**
  - **Cobalt:** Total Phosphate
- **TOC:**
  - **Copper:** Total Alkalinity
- **Silica:**
  - **Lead:** Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.8</td>
<td>751.1 Clay Sandy Brown</td>
</tr>
<tr>
<td>7.6</td>
<td>745.4 Clay Gray</td>
</tr>
<tr>
<td>13.4</td>
<td>739.6 Shale Green</td>
</tr>
<tr>
<td>14.3</td>
<td>738.7 Shale &amp; Coal</td>
</tr>
<tr>
<td>19.2</td>
<td>733.8 Shale Gray</td>
</tr>
<tr>
<td>26.2</td>
<td>726.8 Sand &amp; Sandstone Gray</td>
</tr>
<tr>
<td>26.5</td>
<td>726.5 Shale &amp; Coal</td>
</tr>
<tr>
<td>29.9</td>
<td>723.1 Shale Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No
**NE 13-050-06 W5M**

**Well Number:** 05569

**Well Owner:** Strocher, Lawrence  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 755  
**AEP:** 412131

**Licence No.:** Easting: 17,603.63  
**Date Started:** Northing: 5,905,423.50

**Date Completed:** 18 May 79

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock

**Completed Depth:** 64.0

**NPWL (m):** 46.9  
**Verified NPWL (m):**

**Abandonment:** Type: Steel  
**Depth (m):** 45.7  
**Bottom (m):** 45.7

**OD (mm):** 141.2  
**Thickness (mm):**

**Seal Type:** from (m):  
**to:**

---

**Casing:**
- **Type:** Steel  
- **Depth (m):** 45.7  
- **Bottom (m):** 45.7

**OD (mm):** 141.2  
**Thickness (mm):**

**Top (m):** 44.8  
**Bottom (m):** 64.0

**Perforated How:** from (m):  
**to:**

---

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):**

**Top (m):** 44.8  
**Bottom (m):** 64.0

**Perforated How:** from (m):  
**to:**

---

**Screen:**
- **Material:**  
- **OD (mm):**

**from (m):**  
**to:**

---

**Open Hole:**
- **Type:**  
- **From (m):**

**Intake (m):**

---

**Pump:**
- **Model:** Beatty Bp13  
- **Intake (m):**

---

**Testing:**
- **Rate (lpm):** 36.5  
- **Time (minute):** 240.0

**Level End (m):** 48.8  
**Drawdown (m):** 1.8

**Rec'd intake (m):**

---

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **Total Hardness:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Open Hole:**
- **Pump:**
- **Testing:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock

### Casing:
- **Type:** Steel
  - Depth (m): 32.9
  - Bottom (m): 32.9
  - OD (mm): 104.7
  - Thickness (mm):
    - from (m):
    - to
- **Seal Type:**
  - from (m):
  - to

### Liner:
- **Type:**
  - OD (mm):
    - from (m):
    - to
  - Top (m):
  - Bottom (m):

### Screen:
- **Material:**
  - OD (mm):
    - from (m):
    - to
  - Thickness (mm):
    - from (m):
    - to

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Testing:
- **Rate (lpm):** 36.5
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
  - **Storativity:**
  - **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number: 05574**

**Well Owner:** Berryhill, L.E.

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 706

**AEP:** 412142

**Licence No.:** Easting: 14,967.32

**Date Started:** Northing: 5,905,021.50

**Date Completed:** Oct 66

---

**NPWL (m):** 6.1

**Verified NPWL (m):**

**Abandonment:**

### Lithologic Description

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<thead>
<tr>
<th>Depth (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>6.1</td>
<td>699.9 Clay</td>
</tr>
<tr>
<td>9.1</td>
<td>696.9 Clay Light Gray</td>
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<td>12.2</td>
<td>693.8 Shale Brown</td>
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<td>15.2</td>
<td>690.8 Gravel</td>
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<td>21.3</td>
<td>684.7 Shale Gray</td>
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<td>27.4</td>
<td>678.6 Shale Dark</td>
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<td>48.8</td>
<td>657.2 Sand Light</td>
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<td>51.8</td>
<td>654.2 Sand &amp; Shale</td>
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<tr>
<td>57.9</td>
<td>648.1 Sand Gray</td>
</tr>
<tr>
<td>61.0</td>
<td>645.0 Sand &amp; Shale Gray</td>
</tr>
<tr>
<td>64.0</td>
<td>642.0 Shale</td>
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---

**Remarks:**
NE 23-050-06 W5M
Well Owner: Losey, Timothy
Drilling Contractor: Unknown Driller

Well Number: 05590
Elevation (AMSL) (m): 753
AEP: 412184

Licence No.: Easting: 15,986.40
Date Started: Northing: 5,906,828.00
Date Completed:

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 51.8 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- from (m):
- to

Liner:
- Type:
- OD (mm):
- Top (m):
- Perforated How:
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

Laboratory:
- 12 Apr 83
- pH (pH unit): 8.40
- Cond. (µS/cm): 2380
- TDS: 1350
- Sodium: 509.91
- Potassium: 1.17
- Calcium: 7.01
- Magnesium: 0.97
- Carbonate: 9.00
- Bicarbonate: 835.84
- Aluminium: Barium: Manganese 701.0
- Sulphate: 410.18
- Chloride: 1.06
- Fluoride: 0.50
- Iron: 0.13
- TOC: Copper: Total Alkalinity: 701.0
- Silica: 8.40
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 23-050-06 W5M**

**Well Number: 05591**

**Well Owner:** Wardlow, Robin

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Use:</th>
<th>Domestic</th>
</tr>
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<tbody>
<tr>
<td>Well Type:</td>
<td>New Well</td>
</tr>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>39.6</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**
- **Type:** Steel
- **Type:** Driven
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Bottom (m):** 57.0
- **Elevation Depth:** 57.0
- **Elevation Depth:** 57.0

**Liner:**
- **Type:** Driven
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 51.8
- **Bottom (m):** 118.9

**Perforated How:** Machine
- **from (m):** 82.3
- **to:** 118.9
- **Size:**

**Screen:**
- **Material:** 
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 97.5

**Testing:**
- **Rate (lpm):** 20.5
- **Time (minute):** 120.0
- **Level End (m):** 85.3
- **Drawdown (m):** 45.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 23-050-06 W5M**

**Well Number 05592**

**Well Owner:** Wardlow, Robin  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 721  
**AEP:** 350777  
**Licence No.:** Easting: 15,803.76  
**Date Started:** 22 Mar 90  
**Notthing:** 5,906,081.97  
**Date Completed:** 22 Mar 90

### General:
- **Type of Work:** Dry Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 149.3 (m)  
- **NPWL (m):** 70.1  
- **Verified NPWL (m):**  
- **Abandonment:** Unknown

### Casings:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - from (m): to

### Liners:
- **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
- **Perforated How:**  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:

### Screen:
- **Material:**  
  - **OD (mm):**  
  - from (m): to Size:  
  - from (m): to Size:  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 0.9  
- **Time (minute):** 240.0  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD  
  - **Cond. (µS/cm):** SAR  
  - **TDS:** TKN  
  - **Sodium:** Nitrate  
  - **Potassium:** Nitrite  
  - **Calcium:** TN  
  - **Magnesium:** TC  
  - **Carbonate:** DIC  
  - **Bicarbonate:** Arsenic  
  - **Aluminum:** Barium  
  - **Sulphate:** Beryllium  
  - **Chloride:** Cadmium  
  - **Fluoride:** Chromium  
  - **Iron:** Cobalt  
  - **TOC:** Copper  
  - **Silica:** Lead  
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: No  
**Transmissivity:** m³/day  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project:** Database: 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

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**Remarks:**

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**printed on 2/20/98**
Well Number: 05593

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 39.6 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):** 
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** Formation Packer
  - **from (m):** to 15.9

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** 114.3 Thickness (mm):
- **Top (m):** Bottom (m): 36.9
- **Perforated How:** Torch
- **from (m):** to 36.9 Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Thickness (mm):**
- **OD (mm):**

**Screen:**
- **Material:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):** Size:
- **Thickness (mm):**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Sub:**
- **Model:** Gould
- **Intake (m):** 21.3

**Testing:**
- **Rate (lpm):** 73.0
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d Rate (lpm):**
- **Rec’d intake (m):**

**Laboratory:**
- **13 Dec 84**
- **pH (pH unit):** 8.72
- **Cond. (µS/cm):** SAR 40.50
- **TDS:** 612.0
- **Sodium:** 255.07
- **Nitrate:** 0.01
- **Potassium:** 1.17
- **Nitrile:**
- **Calcium:** 2.00
- **TN:**
- **Magnesium:** 0.61
- **TC:**
- **Carbonate:** 21.90
- **DIC:**
- **Bicarbonate:** 557.63
- **Arsenic:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** 34.10
- **Beryllium:**
- **Phosphorus:**
- **Chloride:** 19.14
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:** 3.46
- **Chromium:**
- **Amm. Nitrogen:** 0.01
- **Iron:** 0.12
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 494.0
- **Silica:** Lead
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98

**AEP Data:**
- **Database:** 1.000H
- **AEP Verified:** Yes
- **Well Field Verified:** No

**Project:**
- **Aquifer Test:** No
- **Gamma Log:** No
- **Storativity:**
- **Transmissivity:** m³/day
- **Electric Log:** No
- **Chromium:**
- **Phosphate:**
- **Nitrate:**
- **Nitrite:**
- **Molybdenum:**
- **Strontium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Manganese:**
- **Barium:**
- **Selenium:**
- **Sodium:**
- **Nitrite:**
- **Vanadium:**
- **Iron:**
- **Cobalt:**
- **Chromium:**
- **Amm. Nitrogen:** 0.01
- **Total Phosphate:**
- **Total Alkalinity:** 494.0
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Stock  
Completed Depth: 57.9 (m)  
NPWL (m): 41.2  
Verified NPWL (m):  
Abandonment:  

**Casing:**
Type:  
Depth (m): Bottom (m):  
OD (mm): Thickness (mm):  
Seal Type: Formation Packer  
from (m): to 33.5  

**Liner:**
Type:  
OD (mm): 114.3  
Top (m): Bottom (m): 55.5  
Perforated How: Torch  
from (m): 38.4 to 55.5  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Screen:**
Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size:  

**Open Hole:**
from (m): to  

**Pump:**
Model: Gould  
Intake (m): 44.2  

**Testing:**  
Rate (lpm): 50.2  
Time (minute): 240.0  
Level End (m): 44.2  
Drawdown (m): 3.1  
Rec'd intake (m): 53.3  
Rec'd Rate (lpm):  

**Laboratory:**

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<th>Chemical Constituent</th>
<th>Value (mg/l) or Unit</th>
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<td>pH (pH unit)</td>
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<tr>
<td>COD</td>
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</tr>
<tr>
<td>SAR</td>
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<td>TDS</td>
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<td>Total Alkalinity</td>
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<td>Silica</td>
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<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Clay</td>
</tr>
<tr>
<td>Brown</td>
</tr>
<tr>
<td>Shale</td>
</tr>
<tr>
<td>Gray</td>
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<tr>
<td>Sand &amp; Shale</td>
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<tr>
<td>Shale Gray</td>
</tr>
<tr>
<td>Gray</td>
</tr>
<tr>
<td>Sand &amp; Sandstone Gray</td>
</tr>
<tr>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

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Water Well Positioned by PFRA in 10TM NAD 27

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**printed on 2/20/98**
**NE 24-050-06 W5M**

**Well Owner:** Strocher, Ervin  
**Drilling Contractor:** Schadeck, Otto Drilling

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method</td>
<td>Cable Tool</td>
</tr>
<tr>
<td>Well Use</td>
<td>Domestic &amp; Stock</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>88.4 (m)</td>
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<tr>
<td>NPWL (m)</td>
<td>41.2</td>
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<td>Abandonment:</td>
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**Casing:**

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<tbody>
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<td>Bottom (m):</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Seal Type</td>
<td>Driven</td>
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<td>from (m):</td>
<td>to</td>
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**Liner:**

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<th>Type</th>
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</tr>
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<tbody>
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<td>OD (mm):</td>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m): 67.7</td>
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<td>Perforated How:</td>
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</tr>
<tr>
<td>from (m):</td>
<td>48.8 to 57.9</td>
</tr>
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<td>from (m):</td>
<td>to</td>
</tr>
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<td>from (m):</td>
<td>to</td>
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**Screen:**

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<th>Material</th>
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<td>from (m): to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
</tbody>
</table>

**Open Hole:**

| from (m): | to |

**Pump:** Sub

**Model:** Sta-Rite 18st

**Testing:**

| Rate (lpm): | 22.8 |
| Time (minute): | 420.0 |
| Level End (m): | 56.4 |
| Drawdown (m): | 15.2 |
| Rec’d intake (m): | Rec’d Rate (lpm): |

**Laboratory:**

<table>
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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
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<td>Selenium</td>
</tr>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
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<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Arsenic</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<th>Lithologic Description</th>
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<th>(m)</th>
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<tr>
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<td>Shale</td>
<td>51.2</td>
<td>717.0</td>
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<td>Sandstone</td>
<td>52.4</td>
<td>715.8</td>
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**Water Well Number 05595**

- Elevation (AMSL) (m): 768
- AEP: 412194
- Licence No.: Easting: 17,649.26
- Date Started: Northing: 5,907,055.00
- Date Completed: 01 Mar 73

**Remarks:**

- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

*Printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- Completed Depth: 41.5 m
- NPWL (m): 22.9 m
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- Depth (m): 32.0
- Bottom (m): 32.0
- OD (mm): 114.3
- Thickness (mm): 0.1
- **Seal Type:** Formation Packer
  - from (m): 11.0
  - to: 11.0

### Screen:
- **Material:**
- OD (mm):
  - from (m): to
  - from (m): to

### Open Hole:
- from (m): to

### Pump:
- Model: Intake (m):
- **Testing:**
  - Rate (lpm): 45.6
  - Time (minute): 510.0
  - Level End (m): 22.9
  - Rec'd intake (m): Rec'd Rate (lpm):

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<td>Copper</td>
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<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- No
- Transmissivity: m²/day

### Gamma Log:
- No
- Storativity:

### Aquifer Test:
- No
- Project: Database: 1.000H

### AEP Data:
- Yes
- Well Field Verified: No

---

Water Well Positioned by PFRA in 10TM NAD 27
NW 24-050-06 W5M

Well Owner: Jabs, Randy
Drilling Contractor: Morrill’S Water Well Drilling Ltd.

Elevation (AMSL) (m): 756
Licence No.: 412190
Date Started: 16,797.30
Well Number: 05597
Date Completed: 25 Apr 84
Northing: 5,906,830.00

Well Number: 05597

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tr>
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<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Unknown</td>
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<tr>
<td>Completed Depth: 38.4</td>
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<tr>
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</tbody>
</table>

| Casing:           |               |                        |
| Type:             |               |                        |
| Depth (m):        | Bottom (m):    |                        |
| OD (mm):          | Thickness (mm):|                        |
| Seal Type:        |               |                        |
| from (m):         | to 13.1        |                        |

| Liner:            |               |                        |
| Type:             |               |                        |
| OD (mm):          | Thickness (mm):|                        |
| from (m):         | to 37.2        | Size:                   |
| from (m):         | to 114.3       | Size:                   |
| Top (m):          | Bottom (m):    |                        |
| Perforated How:   | Torch           |                        |
| from (m):         | 32.3 to 72.2   | Size:                   |
| from (m):         | to 37.2        | Size:                   |
| from (m):         | to 32.3        | Size:                   |

| Screen:           |               |                        |
| Material:         |               |                        |
| OD (mm):          | Thickness (mm):|                        |
| from (m):         | to Size:       |                        |
| from (m):         | to Size:       |                        |

| Open Hole:        |               |                        |
| from (m):         |               |                        |

| Pump: Sub         | Model: Gould 7eh05512 | Intake (m): 29.0 |
| Testing:          | Rate (lpm): 45.6 | Time (minute): 240.0 |
| Level End (m):    | 29.0 | Drawdown (m): 5.8 |
| Rec'd intake (m): | 33.5 | Rec'd Rate (lpm): |

| Laboratory:       | COD | Mercury |
| pH (pH unit)      | SAR | Nickel |
| Cond. (µS/cm)     | TDS | Selenium |
| Sodium            | Nitrate | Strontium |
| Potassium         | Nitrite | Molybdenum |
| Calcium           | TN | Vanadium |
| Magnesium         | TC | Zinc |
| Carbonate         | DIC | Hydroxide |
| Bicarbonate       | Arsenic | Total Hardness |
| Aluminium         | Barium | Manganese |
| Sulphate          | Beryllium | Phosphorus |
| Chloride          | Cadmium | Ion Balance |
| Fluoride          | Chromium | Amm. Nitrogen |
| Iron              | Cobalt | Total Phosphate |
| TOC               | Copper | Total Alkalinity |
| Silica            | Lead | Nitrate&Nitrite N |

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No    | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes    | Well Field Verified: No |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 25.0
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 25.0
- **Bottom (m):** 25.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 24.4

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 24.4
- **Bottom (m):** 48.8
- **Perforated How:** Machine
- **from (m):** 36.6 to 48.8
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Open Hole:
- **from (m):**

#### Pump:
- **Sub:**
- **Model:** Grundfos
- **Intake (m):** 45.7

#### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 37.8
- **Drawdown (m):** 12.8
- **Rec'd Rate (lpm):** 42.7
- **Rec'd intake (m):** 36.5

#### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

#### Electric Log:
- **Transmissivity:** m³/day

#### Gamma Log:
- **Storativity:**

#### Aquifer Test:
- **Project:**
- **Database:** 1.000H

#### AEP Data:
- **Well Field Verified:** Yes

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 05600

**Well Owner:** Zander, Herbert

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 768

**Licence No.:** 768

**Date Started:** 03 Jul 68

**AEP:** 412217

**Easting:** 16,399.88

**Northing:** 5,908,902.00

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 25.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:** Galvanized Steel
- **Depth (m):** 19.8
- **Bottom (m):** 19.8
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:**
- **Seal from (m):**
- **Seal to:**

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **Open Hole:**
- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

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<tr>
<th>Chemical Constituents</th>
<th>Value</th>
<th>Unit</th>
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<tbody>
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<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<td>Lead</td>
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<tr>
<td>Nitrates &amp; Nitrites N</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Water Well Position:

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Well Number:** 05601
- **Well Owner:** Warden, J.
- **Drilling Contractor:** Double S Drilling
- **Elevation (AMSL) (m):** 769
- **AEP:** 412206
- **Licence No.:** Easting: 17,419.04
- **Date Started:** Northing: 5,907,699.00
- **Date Completed:** 01 Aug 72

### Lithologic Description
- **NPWL (m):** 24.7
- **Verified NPWL (m):** 34.1

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Type</th>
<th>Elevation (m)</th>
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<tbody>
<tr>
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<td>Clay</td>
<td>757.7</td>
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<tr>
<td>32.6</td>
<td>Shale</td>
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<td>33.5</td>
<td>Sandstone</td>
<td>735.4</td>
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<tr>
<td>34.1</td>
<td>Shale</td>
<td>734.8</td>
</tr>
</tbody>
</table>

### Casing:
- **Type:** Steel
- **Depth (m):** 13.1
- **Bottom (m):** 13.1
- **OD (mm):** 130.1
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** 104.7
- **Thickness (mm):**
- **Top (m):** Bottom (m): 34.1
- **Perforated How:**
- **from (m):** 32.0 to 34.1
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sta-Rite
- **Intake (m):**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 2160.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** 8.50
- **Cond. (µS/cm):** 1852
- **TDS:** 1201
- **Sodium:** 450.11
- **Potassium:** 0.78
- **Calcium:** 3.01
- **Magnesium:** 0.97
- **Carbonate:** 9.90
- **Bicarbonate:** 831.57
- **Aluminum:** Barium
- **Sulphate:** 325.16
- **Chloride:** 1.06
- **Fluoride:** 0.51
- **Iron:** 0.23
- **TOC:**
- **Silica:** 8.10
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 33.5 (m)
- **NPWL (m):** 18.3
- **Abandonment:**

## Casing:

- **Type:** Steel
- **Depth (m):** 12.2
- **Bottom (m):** 12.2
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 12.2

## Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 10.7
- **Bottom (m):** 33.5

## Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.6</td>
<td>757.4 Clay</td>
</tr>
<tr>
<td>29.0</td>
<td>740.0 Shale</td>
</tr>
<tr>
<td>30.8</td>
<td>738.2 Sandstone</td>
</tr>
<tr>
<td>33.5</td>
<td>735.4 Shale</td>
</tr>
</tbody>
</table>

## Screen:

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:

- **from (m):** to

## Pump:

- **Model:** Gould
- **Intake (m):** 30.5

## Testing:

- **Rate (lpm):** 41.1
- **Time (minute):** 1440.0
- **Level End (m):** 30.5
- **Drawdown (m):** 14.6
- **Rec'd intake (m):** 30.5
- **Rec'd Rate (lpm):** 45.6

## Laboratory:

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 05602

**Well Owner:** Worden, J

**Drilling Contractor:** Scott, H.A. Drilling

**Elevation (AMSL) (m):** 769

**Licence No.:** AEP: 12213

**Date Started:**

**Northing:** 5,907,699.00

**Date Completed:**

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Water Well Positioned by PFRA in 10TM NAD 27**
## General

**Well Owner:** Worden, Jack C.

**Well Use:** Domestic

**Drilling Contractor:** Unknown Driller

**Completed Depth:** 38.1 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:** from (m): to

**Casing:**

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:** from (m): to Size:

**Liner:**

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:** from (m): to Size:

**Screen:**

**Material:**

**OD (mm):** from (m): to Size:

**Top (m):** from (m): to Size:

**Open Hole:**

**Pump:**

**Model:**

**Intake (m):**

**Testing:**

**Rate (lpm):** Time (minute):

**Level End (m):** Drawdown (m):

**Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**

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**Laboratory Results:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 45.1 m
- **Abandonment:** Unknown 01 Nov 94

### Casing:
- **Type:** Steel
  - **Depth (m):** 14.6
  - **Bottom (m):** 14.6
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 14.6

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Perforated How:** Machine
  - **Top (m):** to 42.7
  - **Bottom (m):** 42.7
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Gunfos 40s
  - **Intake (m):** 36.6

### Testing:
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Drawdown (m):** 14.6
- **Rec’ed Rate (lpm):** 39.0
- **Rec’ed intake (m):** 228.1

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Amm. Nitrogen:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Beryllium:**
- **Phosphorus:**
- **Cadmium:**
- **Selenium:**
- **Lead:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **TOC:**
- **Silica:**
- **Barium:**
- **Total Hardness:**
- **Amm. Nitrogen:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 05604**

**Elevation (AMSL) (m):** 762
**AEP:** 401198
**Licence No.:**
**Date Started:** 02 Sep 94
**Date Completed:** 02 Sep 94
**Easting:** 15,950.26
**Northing:** 5,908,081.00
**Project:** Database: 1.000H
**AEP Data:** Yes Well Field Verified: No
Well Number: 05605

Elevation (AMSL) (m): 767
AEP: 412313
Licence No.: Easting: 14,557.47
Date Started: 28 Jun 76
Northing: 5,908,692.00
Date Completed: 28 Jun 76

General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic
Completed Depth: 30.5 (m)
NPWL (m): 21.3
Verifed NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 18.6
Bottom (m): 18.6
OD (mm): 141.2
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 18.6

Liner:
Type:
OD (mm): 114.3
Thickness (mm):
Top (m): Bottom (m): 30.5

Perforated How: Torch
from (m): 25.9 to 30.5
from (m): to 30.5
from (m): to 30.5

Screen:
Material:
OD (mm): from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 27.4

Testing:
Rate (lpm): 100.3
Time (minute): 120.0
Level End (m): 21.3
Rec'd intake (m): 25.9
Rec'd Rate (lpm):

Laboratory:

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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 26-050-06 W5M**

**Well Owner:** Reich, Ron

**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.

**Well Number:** 05606

**Elevation (AMSL) (m):** 767  
**AEP:** 412314

**Licence No.:**  
**Easting:** 14,557.47  
**Nothing:** 5,908,692.00

**Date Started:** 15 May 89  
**Date Completed:** 15 May 89

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 45.1 (m)
- **NPWL (m):** 22.6
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 30.5
- **Bottom (m):** 30.5
- **OD (mm):** 139.7
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 30.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 28.7
- **Bottom (m):** 45.1

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 27.4

**Testing:**
- **Rate (lpm):** 182.4
- **Time (minute):** 120.0
- **Level End (m):** 27.4
- **Drawdown (m):** 4.9
- **Rec'd intake (m):** 33.5
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Zinc:**
- **Magnesium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:**

**AEP Data:** Yes  
**Well Field Verified:** No

**Database:** 1.000H

---

printed on 2/20/98
SE 26-050-06 W5M

Well Owner: Pische, H
Drilling Contractor: Scott, H.A. Drilling

Well Number: 05607
Elevation (AMSL) (m): 763
AEP: 412307
Licence No.: Easting: 15,919.85
Date Started: 01 Mar 82
Northing: 5,907,957.50
Date Completed: 01 Mar 82

General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic & Stock
Completed Depth 33.5 (m)
NPWL (m): 21.3 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 19.2 Bottom (m): 19.2
OD (mm): 141.2 Thickness (mm):
Seal Type: Driven
from (m): to 19.2

Liner:
Type:
OD (mm): 1143 Thickness (mm):
Top (m): Bottom (m): 33.5

Perforated How: Torch
from (m): 27.4 to 33.5 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 33.5

Testing:
Rate (lpm): 45.6 Time (minute): 60.0
Level End (m): 33.5 Drawdown (m): 12.2
Rec'd intake (m): 30.5 Rec'd Rate (lpm):

Laboratory:

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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printer on 2/20/98
Well Owner: Pischke, Henry
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number: 05608
Elevation (AMSL) (m): 763
Licence No.: 412305
Date Started: 15.919.85
Date Completed: 03 Apr 73

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth: 32.3 (m)
NPWL (m): 24.4
Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 27.4
Bottom (m): 27.4
OD (mm): 114.3
Thickness (mm):
Seal Type: Formation Packer
from (m): to

Liner:
Type: Unknown
OD (mm): 88.9
Thickness (mm):
Top (m): Bottom (m): 32.3

Perforated How: Unknown
from (m): 27.4 to 32.3
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):
Testing:
Rate (lpm): 54.7
Time (minute): 420.0
Level End (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
24 May 73

pH (pH unit): 7.80 COD Mercury
Cond. (µS/cm): 2200 SAR Nickel
TDS 1360 TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite 0.01 Molybdenum
Calcium 12.02 TN Vanadium
Magnesium 1.95 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness 32.00
Aluminum Barium Manganese
Sulphate 360.23 Beryllium Phosphate
Chloride 1.06 Cadmium Ion Balance
Fluoride 0.66 Chromium Amm. Nitrogen
Iron 0.10 Cobalt Total Phosphate
TOC Copper Total Alkalinity 670.0
Silica Lead Nitrate & Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Depth Elevation
(BGL) (AMSL)

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<td>18.6</td>
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<tr>
<td>32.3</td>
<td>731.1</td>
<td>Sand &amp; Shale Gray</td>
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</tbody>
</table>

Electric Log: No 
Gamma Log: No 
Aquifer Test: No 

Transmissivity: m³/day
Storativity:
Database: 1.000H

AEP Data: Yes 
Well Field Verified: No
## General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Stock
- **Completed Depth:** 30.8 (m)
- **NPWL (m):** 19.8
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 18.9
- **Bottom (m):** 18.9
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 18.9

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 30.8
- **Perforated How:** Torch
  - **from (m):** to 30.5
  - **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 19.8

## Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 29.0
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TN:**
- **TN:**
- **DIC:**
- **TC:**
- **TC:**
- **TC:**
- **Beryllium:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nickel:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Hydroxide:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Chloride:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number 05610

Well Owner: King, Gary
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 762
AEP: 412317
Licence No.: 14,411.54
Date Started: Northing: 5,908,304.00
Date Completed: 10TM NAD 27

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth 27.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Laboratory:
05 Nov 81

pH (pH unit) 8.60 COD Mercury
Cond. (µS/cm) 3230 SAR Nickel
TDS 2007 TKN Selenium
Sodium 710.93 Nitrate Strontium
Potassium 1.56 Nitrile Molybdenum
Calcium 5.01 TN Vanadium
Magnesium 3.04 TC Zinc
Carbonate 18.00 DIC Hydroxide
Bicarbonate 741.88 Arsenic Total Hardness 25.00
Aluminium 1.20 Barium Manganese
Sulphate 902.96 Beryllium Phosphate
Chloride 1.06 Cadmium Ion Balance 1.00
Fluoride 0.34 Chromium Amm. Nitrogen
Iron 1.05 Cobalt Total Phosphate
TOC 639.0 Copper Total Alkalinity
Silica 6.70 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 25.6 m
- **NPWL (m):** 16.8
- **Veriﬁed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 22.3
- **Bottom (m):** 22.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1

### Liner:
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):**
- **Bottom (m):** 25.6

### Perforated How:
- **Unknown**
- **Size:**
- **from (m):** 22.6 to 25.6
- **from (m):**
- **from (m):**

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Barnes 9stage
- **Intake (m):**

### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):** 19.8
- **Drawdown (m):** 3.1
- **Rec’d intak(e (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH unit:**
- **µS/cm:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Lithologic Description:
- **Type:**
- **Elevation (m):**
- **Type:**
- **Elevation (m):**
- **Type:**
- **Elevation (m):**
- **Type:**
- **Elevation (m):**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NE 28-050-06 W5M**

**Well Owner:** Schadeck, H.

**Drilling Contractor:** Scott, H.A. Drilling

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 40.5 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:** Loose
- **from (m):**
- **to:**

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickmess (mm):**
- **Top (m):**
- **Bottom (m):** 40.5
- **Perforated How:** Unknown
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 4.6
- **Time (minute):** 300.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sodium:**
- **Titran:**
- **Calcium:**
- **Barium:**
- **Magnesium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Chromium:**
- **Fluoride:**
- **Iron:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Well Number 05612**

**Elevation (AMSL) (m):** 774
- **Licence No.:** 412349
- **Date Started:** 12,767.32
- **No:**
- **Date Completed:** 5,908,934.00
- **16 Dec 60**

**Depth**

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**Electric Log:** No
**Transmissivity:** m³/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**AEP Data:** Yes
**Database:** 1.000H

**Remarks:**

Printed on 2/20/98
Well Number: 05613

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 29.0
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 25.6 to 25.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 24.4

**Liner:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 24.4
- **Bottom (m):** 42.7

**Perforated How:** Machine
- **from (m):** 36.6 to 42.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 36.6

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 31.1
- **Rec'd intake (m):** 36.6
- **Rec'd Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **Sec. Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth & Elevation**
- **BGL (m):**
- **AMSL (m):**
- **Lithologic Description:**
  - 17.4 756.2 Clay
  - 18.3 755.3 Shale Gray
  - 21.9 751.6 Silt & Sandstone
  - 31.1 742.5 Shale Blue Gray
  - 42.7 730.9 Sandstone White

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on 2/20/98**

**Well Number:** 05613

**Well Owner:** Schadeck, Henry

**Drilling Contractor:** Parky’S Consolidated Ltd.

**Elevation (AMSL) (m):** 774

**AEP:** 406890

**Licence No.:**

**Date Started:** 13 Jun 95

**Date Completed:** 13 Jun 95

**Easting:** 12,767.32

**Northing:** 5,908,834.00

**AEP Data:** Yes

**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 12.2 (m)
- **NPWL (m):** 3.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 6.1
- **Bottom (m):** 6.1
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

### Liner:
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):**
- **Bottom (m):** 12.2
- **Perforated How:** from (m): to 8.5
- **Size:** from (m): to
- **Size:** from (m): to

### Screen:
- **Material:**
- **OD (mm):** from (m): to
- **Thickness (mm):** from (m): to
- **Size:** from (m): to

### Open Hole:
- from (m): to

### Pump:
- **Sub:**
- **Model:** Barnes 13 Stage
- **Intake (m):**

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 240.0
- **Level End (m):** 8.2
- **Drawdown (m):** 4.9
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Electric Log:
- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Laboratory:
- **pH (pH unit):** 7.20
- **COD:** Mercury
- **Cond. (µS/cm):** 1240
- **SAR:** Nickel
- **TDS:** 667.0
- **TKN:** Selenium
- **Sodium:** 57.04
- **Nitrate:** 0.01
- **Strontium:**
- **Potassium:** 3.13
- **Nitrite:** 0.01
- **Molybdenum:**
- **Calcium:** 99.00
- **TN:** Vanadium
- **Magnesium:** 57.03
- **TC:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** 566.78
- **Arsenic:** Total Hardness 479.00
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** 165.22
- **Beryllium:** Phosphate
- **Chloride:** 2.84
- **Cadmium:** Ion Balance 0.95
- **Fluoride:** 0.17
- **Chromium:** Amm. Nitrogen
- **Iron:** 0.20
- **Cobalt:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:** 464.0
- **Silica:** Lead
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
NW 28-050-06 W5M

Well Owner: Shadeck, F.
Drilling Contractor: Unknown Driller

Well Number 05615
Elevation (AMSL) (m): 767
AEP: 412342

Licence No.: Domestic
Date Started: 11,409.59
Northing: 5,908,903.00
Date Completed:

**General:**
- Type of Work: Chemistry
- Drilling Method: Drilled
- Well Use: Domestic
- Completed Depth: 18.9 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: 
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type: from (m): to

**Liner:**
- Type: 
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How: from (m): to Size:

**Screen:**
- Material: 
  - OD (mm): from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:** 06 Nov 67

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Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27
SE 28-050-06 W5M

Well Number: 05616

Well Owner: Wold, Adolf
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Elevation (AMSL) (m): 755
AEP: 351020
Licence No.: Easting: 12,830.31
Date Started: 31 Jul 89 Northing: 5,908,183.50
Date Completed: 31 Jul 89

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| Electric Log: | No |
| Test Transmissivity: | m³/day |
| Gamma Log: | No |
| Storativity: | |
| Aquifer Test: | No |
| Project: | |
| AEP Data: | Yes |
| Database: | 1.000H |

Water Well Positioned by PFRA in 10TM NAD 27
**SE 28-050-06 W5M**

**Well Number 05617**

**Well Owner:** Wolf, A.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 765

**AEP:** 412330

**Date Started:**

**Easting:** 12,830.31

**Date Completed:**

**Northing:** 5,908,183.50

**Licence No.:** Easting:

**Drilled**

**Date Completed:**

**Type of Work:** Chemistry

**Well Use:** Domestic

**Completed Depth:** 59.7 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:** from (m): to

**Liner:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:** from (m): to Size:

**Screen:**

**Material:** from (m): to Size:

**Open Hole:** from (m): to

**Model:** Intake (m):

**Testing:**

**Rate (lpm):** Time (minute):

**Level End (m):** Drawdown (m):

**Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**

**16 Jan 75**

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<tr>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 24.4 (m)
  - NPWL (m): 16.8
- **Abandonment:**

**Casing:**
- **Type:** Steel
  - Bottom (m): 12.8
  - Thickness (mm): 0.1

**Liner:**
- **OD (mm):** 114.3
  - Thickness (mm): 0.0
- **Top (m):**
  - Bottom (m): 24.4

**Perforated How:**
- **from (m):** 21.3
to 24.4
- **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to 
    - **Size:**

**Open Hole:**
- **from (m):** to 

**Pump:** Sub
- **Model:** Barnes 9stage

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):** 19.8
- **Drawdown (m):** 3.1
- **Rec'd Rate (lpm):**
  - **Rec'd intake (m):**

**Laboratory:**
- **16 Jan 75**
  - **pH (pH unit):** 8.00
  - **Cond. (µS/cm):** 3530
  - **TDS:** 2119
  - **Sodium:** 799.94
  - **Nitrate:** 0.01
  - **Strontium:**
  - **Potassium:** 1.56
  - **Nitrite:** 0.01
  - **Molybdenum:**
  - **Calcium:** 35.07
  - **Magnesium:** 4.99
  - **TC:**
  - **Zinc:**
  - **Carbonate:**
  - **DIC:**
  - **Bicarbonate:** 1208.00
  - **Arsenic:**
  - **Total Hardness:** 109.00
  - **Aluminum:**
  - **Barium:**
  - **Manganese:**
  - **Sulphate:** 678.18
  - **Beryllium:**
  - **Phosphate:**
  - **Chloride:** 1.06
  - **Cadmium:**
  - **Total Nitrogen:**
  - **Fluoride:** 0.26
  - **Chromium:**
  - **Amm. Nitrogen:**
  - **Iron:** 0.10
  - **Cobalt:**
  - **Total Phosphate:**
  - **TOC:**
  - **Copper:**
  - **Total Alkalinity:** 991.0
  - **Silica:**
  - **Lead:**
  - **Nitrates&Nitrite N:**
  - **Phosphates:**
  - **Organic Carbon:**
  - **DIC:**
  - **Hydroxide:**
  - **TDS:**
  - **Sodium:**
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  - **Fluoride:**
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  - **Nitrates&Nitrite N:**
  - **Phosphates:**
  - **Organic Carbon:**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 29.0 (m)
- **NPWL (m):** 18.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 22.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Bottom (m):** 22.9

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):**
- **Bottom (m):** 29.0

### Perforated How:
- **Unknown**
- **from (m):** 22.9
- **to:** 29.0
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 100.3
- **Time (minute):** 60.0
- **Level End (m):** 22.6
- **Drawdown (m):** 3.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Sulfate:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
  - **COD:**
  - **Nickel:**
  - **Selenium:**
  - **Sodium:**
  - **Sulfate:**
  - **Iron:**
  - **Lead:**
  - **Nitrate:**
  - **Chromium:**
  - **Strontium:**
  - **Barium:**
  - **Manganese:**
  - **Beryllium:**
  - **Phosphate:**
  - **Chloride:**
  - **Fluoride:**
  - **Iron:**
  - **TOC:**
  - **Silica:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 05620**

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<td><strong>(m)</strong></td>
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<td>Drilling Method: <strong>Unknown</strong></td>
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<tr>
<td>Abandonment: <strong>Bassani Plug</strong></td>
<td><strong>25 Mar 78</strong></td>
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<td>Lead</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |
|-------------|-----------------|

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<th>Remarks:</th>
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Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 18.3 m
- **Abandonment:** Bassani Plug 25 Mar 78

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:** from (m): to Size:

### Open Hole:
- **OD (mm):** to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** No

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Printed on:** 2/20/98
## NW 29-050-06 W5M

**Well Owner:** Bast, Bernard  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 39.0 m  
- **NPWL (m):** 17.1  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
  - **Depth (m):** 30.2  
  - **Bottom (m):** 30.2  
  - **OD (mm):** 139.7  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
  - **from (m):** to 30.2  

### Liner:
- **Type:**  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Top (m):** 28.4  
  - **Bottom (m):** 39.0  
- **Perforated How:** Machine  
  - **from (m):** 34.1  
  - **to:** 39.0  
  - **Size:**  
  - **from (m):** 30.5  
  - **to:**  
  - **Size:**  

### Screen:
- **Material:**  
  - **OD (mm):**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
  - **Intake (m):** 30.5  

### Testing:
- **Rate (lpm):** 205.2  
  - **Time (minute):** 120.0  
- **Level End (m):** 27.4  
  - **Drawdown (m):** 10.4  
- **Rec'd intake (m):**  
  - **Rec'd Rate (lpm):**  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Laboratory Chemical Constituents are in mg/l (ppm): Except as noted.
**General:**
- **Type of Work:** Unknown
- **Drilling Method:** Cable Tool
- **Well Use:** Unknown
- **Completed Depth:** 33.5 m
- **NPWL (m):** 127.0
- **Abandonment:** 01 Dec 64

**Casing:**
- **Type:** Unknown
- **Depth (m):** Bottom (m): 127.0
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- **from (m): to**

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End:** Drawdown (m):
- **Rec'd intake:** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 53.3 (m)
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Steel
- **Depth (m):** 33.5
- **Bottom (m):** 33.5
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 33.5

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 32.9
- **Bottom (m):** 53.3

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):** 53.3

#### Testing:
- **Rate (lpm):** 6.8
- **Time (minute):** 360.0
- **Level End (m):** 53.3
- **Drawdown (m):** 19.8
- **Rec'd intake (m):**

#### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

#### Water Well Positioned by PFRA in 10TM NAD 27

---

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<tr>
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<th>Elevation</th>
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<tr>
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<td>Shale</td>
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### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquitard Test:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 05625**

**Well Owner:** Henrichs, Ron  
Drilling Contractor: Unknown Driller

**Elevation (AMSL) (m):** 750  
**AEP:** 412360  
**Easting:** 9,926.83  
**Northing:** 5,907,721.00

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

**Completed Depth:** 54.9 (m)  
**NPWL (m):**  
**Verified NPWL (m):**  
**Abandonment:**

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole
- **Pump:**  
- **Model:** Intake (m):  
- **Testing:**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory: 26 Nov 85
- **pH (pH unit):** 8.70  
- **Cond. (µS/cm):** 1191  
- **TDS:** 747.0  
- **Sodium:** 299.92  
- **Potassium:** 0.78  
- **Calcium:** 5.01  
- **Magnesium:** 1.95  
- **Carbonate:** 18.90  
- **Bicarbonate:** 593.63  
- **Aluminum:** 0.15  
- **Sulphate:** 125.84  
- **Chloride:** 1.06  
- **Fluoride:** 1.15  
- **Iron:** 0.15  
- **TOC:** 7.60  
- **Silica:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

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<td>7.60</td>
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<tr>
<td>Silica</td>
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### Electric Log: No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:

| Type of Work: | New Well |
| Drilling Method: | Cable Tool |
| Well Use: | Domestic |

| Completed Depth | 95.1 (m) |
| NPWL (m): | 27.4 |

| Abandonment: |  |

| Casing: Type: | Steel |
| Depth (m): | 41.2 |
| Bottom (m): | 41.2 |
| OD (mm): | 141.2 |
| Thickness (mm): | 0.1 |

| Seal Type: | Unknown |
| from (m): to | 41.2 |

| Liner: Type: |  |
| OD (mm): |  |
| Thickness (mm): |  |
| Top (m): |  |
| Bottom (m): |  |

| Perforated How: from (m): to |  |
| from (m): to |  |
| from (m): to |  |

| Screen: Material: |  |
| OD (mm): from (m): to |  |
| from (m): to |  |

| Open Hole: from (m): to |  |

| Pump: Model: |  |
| Intake (m): |  |

| Testing: Rate (lpm): 31.9 | Time (minute): 120.0 |
| Level End (m): |  |
| Drawdown (m): |  |
| Rec'd intake (m): 41.2 | Rec'd Rate (lpm): |

| Laboratory: |  |
| pH (pH unit): | COD Mercury |
| Cond. (µS/cm): | SAR Nickel |
| TDS: | TKN Selenium |
| Sodium: Nitrate Strontium |
| Potassium: Nitrite Molybdenum |
| Calcium: TN Vanadium |
| Magnesium: TC Zinc |
| Carbonate: DIC Hydroxide |
| Bicarbonate: Arsenic Total Hardness |
| Aluminum: Barium Manganese |
| Sulphate: Beryllium Phosphate |
| Chloride: Cadmium Ion Balance |
| Fluoride: Chromium Amm. Nitrogen |
| Iron: Cobalt Total Phosphate |
| TOC: Copper Total Alkalinity |
| Silica: Lead Nitrate&Nitrite N |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

**Well Number 05626**

**Well Owner:** Mulder, J.

**Drilling Contractor:** Scott, H.A. Drilling

**Elevation (AMSL) (m):** 750

| Licence No.: | Easting: 9,926.83 |
| Date Started: 01 Nov 76 |
| Northing: 5,907,721.00 |
| Date Completed: 01 Nov 76 |

**Depth**

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<td>9.1 740.5</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
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<td>Abandonment: <strong>Bassani Plug</strong> <strong>17 Aug 73</strong></td>
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<td>Seal Type: from (m): to</td>
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<td>OD (mm):</td>
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<td>Rec’d intake (m): Rec’d Rate (lpm):</td>
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<td>TKN Selenium</td>
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<td>AEP Data:</td>
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**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
**SE 31-050-06 W5M**

**Well Owner:** Brown, Wayne  
**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.

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<th>05633</th>
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<td>367066</td>
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<td>Licence No.:</td>
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<td>Date Completed:</td>
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<td>Northing:</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 72.5 m  
- **NPWL (m):** 46.9  
- **Verified NPWL (m):**  
- **Abandonment:**  
  - **Type:** Plastic  
  - **Depth (m):** 40.8  
  - **Bottom (m):** 40.8  
  - **OD (mm):** 139.7  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 40.8  

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 39.6  
- **Bottom (m):** 72.5  

**Perforated How:** Machine  
- **from (m):** to 72.5  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):** 57.9  
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 57.9  
- **Drawdown (m):** 11.0  
- **Rec’d intake (m):** 61.0  
- **Rec’d Rate (lpm):** 45.6  

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):** SAR  
- **Nickel:**  
- **TDS:** TKN  
- **Selenium:**  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphorus:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite (ppm):**  
- **Open Hole:**  
- **Laboratory:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Database:** 1.000H  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No

**Depth Elevations (BGL) (AMSL):**
- **(m):** (m)  
- **Lithologic Description:**
  - 3.4 777.4 Clay Brown  
  - 8.2 772.5 Shale Sandy Brown  
  - 14.0 766.7 Shale Brown  
  - 18.3 762.4 Shale Sandy Brownish Gray  
  - 25.6 755.1 Shale Green  
  - 32.6 748.1 Sand & Sandstone Fractured  
  - 35.4 745.3 Shale Light Gray  
  - 38.4 742.3 Shale Sandy Gray  
  - 42.1 738.6 Shale Green  
  - 44.5 736.2 Sand & Sandstone Gray  
  - 47.9 732.9 Shale Gray  
  - 50.3 730.4 Shale Bentonitic Gray  
  - 52.1 728.6 Shale Gray  
  - 72.5 708.2 Sand & Sandstone Gray

**Testing:**
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 57.9  
- **Drawdown (m):** 11.0  
- **Rec’d intake (m):** 61.0  
- **Rec’d Rate (lpm):** 45.6

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
- **NPWL (m):** 17.1
- **Veriﬁed NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel
  - **Depth (m):** 21.6
  - **Bottom (m):** 21.6
- **OD (mm):**
- **Thickness (mm):** 0.0
- **Seal Type:** Driven
  - **from (m):** to 20.7

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- ** Thickness (mm):**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
- **Open Hole:**
  - **from (m):** to **Depth:**

#### Pump:
- **Model:**
- **Intake (m):** 18.3

#### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 300.0
- **Level End (m):**
- **Drawdown (m):** 0.3
- **Rec’d intake (m):** 18.3

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### Lithologic Description
- **(m)**
- **(m)**
- **Type:**
- **Clay Yellow**
- **Clay Gray**
- **Sandstone Hard Gray**
- **Shale Green**
- **Shale Gray**
- **Sandstone White**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **TOC:**
- **Database:** 1.00H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Printed on:** 2/20/98
**NE 32-050-06 W5M**

**Well Number:** 05635

**Well Owner:** Welk, Herman  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 772  
**AEP:** 412400  
**Licence No.:**  
**Easting:** 11,163.18  
**Northing:** 5,910,624.50  
**Date Started:** 01 Mar 66

---

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| **Type of Work:** New Well  
**Drilling Method:** Rotary  
Well Use: Domestic  
Completed Depth: 44.2 (m)  
NPWL (m): 9.1  
Veriﬁed NPWL (m): Abandonment: |
| **Type:** Unknown  
**Depth (m):** 19.8  
**Bottom (m):** 19.8  
**OD (mm):** 139.7  
**Thickness (mm):**  |
| **Seal Type:**  
**from (m):** to |
| **Liner:**  
**Type:**  
**OD (mm):**  
**Thickness (mm):**  
**Top (m):**  
**Bottom (m):**  
**Perforated How:**  
**from (m):** to Size:  
**from (m):** to Size:  
**from (m):** to Size: |
| **Screen:**  
**Material:**  
**OD (mm):**  
**from (m):** to Size:  
**from (m):** to Size:  
**Open Hole:**  
**from (m):** to |
| **Pump:**  
**Model:**  
Intake (m): |
| **Testing:**  
**Rate (lpm):** 54.7  
**Time (minute):** 120.0  
**Level End (m):** 21.3  
**Drawdown (m):** 12.2  
**Rec’d intake (m):**  
**Rec’d Rate (lpm):** |
| **Laboratory:**  
**pH (pH unit):**  
**COD:**  
**SAR:**  
**TDS:**  
**TKN:**  
**Sodium:**  
**Nitrate:**  
**Strontium:**  
**Potassium:**  
**Nitrile:**  
**Molybdenum:**  
**Calcium:**  
**TN:**  
**Vanadium:**  
**Magnesium:**  
**TC:**  
**Zinc:**  
**Carbonate:**  
**DIC:**  
**Hydroxide:**  
**Bicarbonate:**  
**Arsenic:**  
**Total Hardness:**  
**Aluminum:**  
**Barium:**  
**Manganese:**  
**Sulphate:**  
**Beryllium:**  
**Phosphate:**  
**Chloride:**  
**Cadmium:**  
**Ion Balance:**  
**Fluoride:**  
**Chromium:**  
**Amm. Nitrogen:**  
**Iron:**  
**Cobalt:**  
**Total Phosphate:**  
**TOC:**  
**Copper:**  
**Total Alkalinity:**  
**Silica:**  
**Lead:**  
**Nitrate & Nitrite N:**  
**Chemical Constituents are in mg/l (ppm). Except as noted.** |
| **Remarks:**  
**Water Well Positioned by PFRA in 10TM NAD 27** |
| **Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** AEP Data: Yes  
**Database:** 1.000H  
**Well Field Verified:** No |
**NW 32-050-06 W5M**

**Well Owner:** Gilbert, Frank  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

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<th>AEP: 412397</th>
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<td>Northing: 5,810,564.50</td>
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<td>Date Completed: 13 Sep 89</td>
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</table>

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 69.5 (m)  
- **NPWL (m):** 45.7  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Steel  
- **Depth (m):** 44.8  
- **Bottom (m):** 44.8  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 44.8  

**Liner:**  
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 43.6  
- **Bottom (m):** 69.5  
- **Perforated How:** Machine  
- **from (m):** to 69.5  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **Open Hole:**  
- **from (m):** to  

**Pump:**  
- **Model:**  
- **Intake (m):** 56.4  

**Testing:**  
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 56.4  
- **Drawdown (m):** 10.7  
- **Rec’d intake (m):** 61.0  
- **Rec’d Rate (lpm):**  

**Laboratory:**  
- **pH (pH unit):**  
- **COD**:  
- **SAR**:  
- **TDS**:  
- **TKN**:  
- **Sodium**:  
- **Nitrate**:  
- **Strontium**:  
- **Potassium**:  
- **Nitrite**:  
- **Molybdenum**:  
- **Calcium**:  
- **TN**:  
- **Vanadium**:  
- **Magnesium**:  
- **TC**:  
- **Zinc**:  
- **Carbonate**:  
- **DIC**:  
- **Hydroxide**:  
- **Bicarbonate**:  
- **Arsenic**:  
- **Total Hardness**:  
- **Aluminum**:  
- **Barium**:  
- **Manganese**:  
- **Sulphate**:  
- **Beryllium**:  
- **Phosphate**:  
- **Chloride**:  
- **Cadmium**:  
- **Ion Balance**:  
- **Fluoride**:  
- **Chromium**:  
- **Amm. Nitrogen**:  
- **Iron**:  
- **Cobalt**:  
- **Total Phosphorus**:  
- **TOC**:  
- **Copper**:  
- **Total Alkalinity**:  
- **Silica**:  
- **Lead**:  
- **Nitrate & Nitrite**:  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  

*printed on 2/20/98*
NW 32-050-06 W5M

Well Owner: Hooper, C.
Drilling Contractor: Morrill'S Water Well Drilling Ltd.

Well Number: 05637

Elevation (AMSL) (m): 785
AEP: 412393
Licence No.: Easting: 10,200.01
Date Started: Northing: 5,810,564.50
Date Completed: 22 May 70

General:

Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth: 64.0 (m)
NPWL (m): 51.8 Verified NPWL (m):
Abandonment:

Casing:

Type: Galvanized Steel
Depth (m): 36.6 Bottom (m): 36.6
OD (mm): 114.3 Thickness (mm):
Seal Type:
from (m): to

Liner:

Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:

Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:

from (m): to

Pump:

Model: Sta-Rite
Intake (m):

Testing:

Rate (lpm): 22.8 Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
Well Number: **05638**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Stock
- **Completed Depth:** 22.6 (m)
- **NPWL (m):** 13.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Unknown
- **Depth (m):** 8.8
- **OD (mm):** 131.1
- **Thickness (mm):**
- **Seal Type:** Driven

**Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**

**Screen:**
- **Material:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Thickness (mm):**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:** Rod
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 18.2
- **Time (minute):** 260.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **22 Jun 70**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Nitrite:**
- **Calcium:**
- **TN:**
- **Manganese:**
- **Magnesium:**
- **TC:**
- **Barium:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:** 37.00
- **Aluminium:**
- **Nitrates:**
- **Chloride:**
- **Chromium:**
- **Fluoride:**
- **Cobalt:**
- **Iron:**
- **0.46:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Electric Log:** No
- **Transmissivity:** 
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

**AEP Data:** Yes
- **Well Field Verified:** No

**Printed on:** 2/20/98
**Well Number:** 05639  
**Elevation (AMSL) (m):** 781  
**AEP:** 412384  
**Date Started:** 9,682.82  
**Licence No.:** Easting: 5,909,368.50  
**Well Owner:** Pezzot, Secondo  
**Date Completed:** 17 Aug 59  
**Drilling Contractor:** Scott, H.A. Drilling

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Well Owner:** Primeau, Ron
- **Drilling Contractor:** Darragh Lee
- **Well Number:** 05640
- **Elevation (AMSL) (m):** 781
- **AEP:** 412390
- **Licence No.:** Easting: 9,682.82
- **Date Started:** 03 Nov 79
- **Easting:** Northing: 5,909,368.50
- **Date Completed:** 05 Nov 79

#### Lithologic Description

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<tr>
<td>Strontium</td>
<td>480.93</td>
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</table>

### Electric Log:
- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27.
09-33-050-06 W5M

Well Owner: Crawford, Robert
Drilling Contractor: Parky'S Consolidated Ltd.

Well Number: 05641

Elevation (AMSL) (m): 766
AEP: 380727
Licence No.: Easting: 12,864.81
Date Started: 10 Aug 95
Northing: 5,909,999.00
Date Completed: 10 Aug 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 48.2 (m)
NPWL (m): 25.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 30.5
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 30.5

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 29.9
Bottom (m): 48.2

Perforated How: Machine
from (m): 36.6 to 48.2
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 45.7

Testing:
Rate (lpm): 136.8
Time (minute): 120.0
Level End (m): 28.7
Drawdown (m): 3.1
Rec'd intake (m): 36.6
Rec'd Rate (lpm): 68.4

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**NE 33-050-06 W5M**

**Well Owner:** Boldwin, Bryan  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 771  
**AEP:** 413200  
**Licence No.:**  
**Date Started:** 25 May 87  
**Date Completed:** 25 May 87

---

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 45.1 (m)  
- **NPWL (m):** 27.4  
- **Verified NPWL (m):**

### Casing:

- **Type:** Plastic  
- **Depth (m):** 24.4  
- **Bottom (m):** 24.4  
- **OD (mm):** 139.7  
- **Thickness (mm):**

### Liner:

- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 45.1  
- **Top (m):** 22.6  
- **Bottom (m):**

### Screen:

- **Material:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:** Goulds 7eh05412  
- **Intake (m):** 38.1  

### Testing:

- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 38.1  
- **Drawdown (m):** 10.7  
- **Rec'd intake (m):**

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:

- **Transmissivity:**

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**

### AEP Data:

- **Database:** 1.000H  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number:** 05643  
**Well Owner:** Boorse, Don  
**Drilling Contractor:** Unknown Driller  

### General Information
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 12.2 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole
- **from (m):** to  

### Pump
- **Model:**  
- **Intake (m):**  

### Testing
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory
- **pH (pH unit):** 8.60  
- **Cond. (µS/cm):** 1504  
- **TDS:** 985.0  
- **Sodium:** 404.11  
- **Potassium:** 0.78  
- **Calcium:** 7.01  
- **Magnesium:** 1.95  
- **Carbonate:** 12.00  
- **Bicarbonate:** 892.38  
- **Aluminium:** 0.63  
- **Magnesium:** 0.07  
- **Chloride:** 2.13  
- **Sulphate:** 117.19  
- **Fluoride:** 0.61  
- **Iron:** 0.87  
- **TOC:** 0.19  
- **Silica:** 12.70  

### Electric Log
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:** Total Hardness: 27.00  
- **TOC:** Copper: Total Alkalinity: 753.0  

### Remarks
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

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**Printed on:** 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic
- **Completed Depth:** 35.0 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **23 Sep 74**
- **pH (pH unit):** 7.60
- **Cond. (µS/cm):** 1780
- **TDS:** 1038
- **Sodium:** 411.01 Nitrate 0.01
- **Potassium:** 0.78 Nitrite 0.01
- **Calcium:** 13.03
- **Magnesium:** 0.97 TC Zinc
- **Carbonate:**
- **Bicarbonate:** 970.67 Arsenic Total Hardness 38.00
- **Aluminium:**
- **Sulphate:** 120.08 Beryllium Phosphate
- **Chloride:** 8.15 Cadmium Ion Balance 1.00
- **Fluoride:** 0.43 Chromium Amm. Nitrogen
- **Iron:** 0.90 Cobalt Total Phosphate
- **TOC:**
- **TOC:**
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** 1.00 m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**

### Well Field Verified:
- **No**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**raw text**

- **Well Number:** 05644
- **Well Owner:** Pryor, E.
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 771
- **AEP:** 412412
- **Date Started:**
- **Without:**
- **Easting:** 12,825.83
- **Nortthing:** 5,910,469.50
- **Remarks:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number 05645**

**Well Owner:** Pryor, Everett  
**Drilling Contractor:** Unknown Driller

**General:**  
- **Type of Work:** Chemistry  
- **Drilling Method:** Cable Tool  
- **Well Use:** Domestic  
- **Completed Depth:** 37.8 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

**Casing:**  
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

**Liner:**  
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  

**Screen:**  
- **Material:** from (m): to Size:  
- **OD (mm):**  
- **Thickness (mm):** from (m): to Size:  

**Open Hole:**  
- **from (m):** to  

**Pump:**  
- **Model:** Intake (m):  

**Testing:**  
- **Level End (m):** Drawdown (m):  
- **Rec'd Rate (lpm):** Rec'd intake (m):  

**Laboratory:**  
- **25 Apr 74**  
- **pH (pH unit):** 8.20  
- **Cond. (µS/cm):** 1550  
- **TDS:** 1023  
- **Sodium:** 423.69  
- **Potassium:** 0.78  
- **Calcium:** 1.00  
- **Magnesium:** 0.97  
- **Carbonate:** 1012.77  
- **Bicarbonate:**  
- **Aluminium:**  
- **Barium:**  
- **Sulphate:** 99.90  
- **Chloride:** 1.06  
- **Fluoride:** 0.42  
- **Iron:** 0.70  
- **TOC:**  
- **Silica:**  
- **Arsenic:**  
- **Nitrate:** 0.01  
- **Sodium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Barium:**  
- **Manganese:**  
- **Phosphate:**  
- **Cadmium:**  
- **TC:**  
- **DIC:**  
- **Hydroxide:**  
- **Total Hardness:** 1.00  
- **Amm. Nitrogen:**  
- **Total Phosphate:**  
- **Total Alkalinity:** 831.0  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:**

- **NE 33-050-06 W5M**
- **Elevation (AMSL) (m):** 771  
- **AEP:** 413201  
- **Date Started:**  
- **Date Completed:**

**Easting:** 12,825.83  
**Northing:** 5,910,469.50  
**License No.:** Easting: 

**Test Results:**

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**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H  
**Project:** AEP Data: Yes  
**Well Field Verified:** No
NE 33-050-06 W5M

Well Owner: Pryor, Everett
Drilling Contractor: Unknown Driller

General:
Type of Work: Chemistry
Drilling Method: Cable Tool
Well Use: Domestic
Completed Depth: 30.5 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type: from (m):
to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How: from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
03 Sep 74
pH (pH unit) 7.90 COD Mercury
Cond. (µS/cm) 1700 SAR Nickel
TDS 1002 TKN Selenium
Sodium 399.97 Nitrate 0.02 Strontium
Potassium 0.78 Nitrite 0.02 Molybdenum
Calcium 9.02 TN Vanadium
Magnesium 0.97 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 956.64 Arsenic Total Hardness 29.00
Aluminium Barium Manganese
Sulphate 108.07 Beryllium Phosphate
Chloride 3.90 Cadmium Ion Balance 0.99
Fluoride 0.37 Chromium Amm. Nitrogen
Iron 0.70 Cobalt Total Phosphate
TOC Copper Total Alkalinity 785.0
Silica Lead Nitrate&Nitrite

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Well Number: 05646
Elevation (AMSL) (m): 771
AEP: 412415
Licence No.: Easting: 12,825.83
Date Started: Northing: 5,910,469.50
Date Completed:

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)

(No Lithologic Information Available)
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 26.8 m
- **NPWL (m):** 3.7
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth:** 18.3 m, **Bottom:** 18.3 m
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 18.3

## Liner:
- **Type:**
- **OD (mm):** 114.3, **Thickness (mm):** 0.1
- **Top (m):** 17.1, **Bottom (m):** 26.8
- **Perforated How:** Machine
  - **from (m):** 18.3 to 26.8, **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Intake (m):** 21.3

## Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 18.3
- **Drawdown (m):** 14.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:

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<td>Ionom Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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**NW 33-050-06 W5M**

**Well Number:** 05647

**Well Owner:** Schadeck, George

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 778

**AEP:** 351021

**Date Started:** 03 Oct 89

**Easting:** 11,581.26

**Licence No.:** Easting: 03 Oct 89

**Northing:** 5,910,654.50

**Date Completed:** 03 Oct 89

**NPWL (m):**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation (BGL) (m)</th>
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</thead>
<tbody>
<tr>
<td>9.8</td>
<td>768.7</td>
<td>Clay Soft</td>
</tr>
<tr>
<td>10.1</td>
<td>768.4</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>14.0</td>
<td>764.5</td>
<td>Sand Fractured</td>
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<tr>
<td>16.5</td>
<td>762.0</td>
<td>Shale Gray</td>
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<tr>
<td>22.3</td>
<td>756.2</td>
<td>Shale Green</td>
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<tr>
<td>23.8</td>
<td>754.7</td>
<td>Sandstone Gray</td>
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<tr>
<td>25.3</td>
<td>753.2</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>26.8</td>
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<td>Shale Green</td>
</tr>
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</table>

**Water Well Positioned by PFRA in 10TM NAD 27**
Se 33-050-06 W5M

Well Owner: Cooke, Mark A.
Drilling Contractor: Unknown Driller

Well Number 05648

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: (m)
- NPWL (m):
- Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- Bottom (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m):
- to

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m):
- to
- Size:
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:
- from (m):
- to
- Size:
- Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd Rate (lpm):
- Rec'd intake (m):

Laboratory:
- 30 Oct 85
- pH (pH unit): 7.90
- COD: Mercury
- Cond. (µS/cm): 2010 SAR
- Nickel
- TDS: 1289
- TKN: Selenium
- Sodium: 494.96
- Nitrate: Strontium
- Potassium: 2.35
- Nitrite: Molybdenum
- Calcium: 1.00
- TN: Vanadium
- Magnesium: 0.97
- TC: Zinc
- Carbonate: DIC
- Hydroxide
- Bicarbonate: 808.99
- Arsenic: Total Hardness 5.00
- Aluminum: Barium
- Manganese
- Sulphate: 390.00
- Beryllium: Phosphate
- Chloride: 1.06
- Cadmium: Ion Balance 1.01
- Fluoride: 0.15
- Chromium: Amm. Nitrogen
- Iron: 0.06
- Cobalt: Total Phosphate
- TOC: Copper
- Total Alkalinity 664.0
- Silica: 13.00
- Lead
- Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**SE 33-050-06 W5M**

**Well Number: 05649**

**Well Owner:** Jelkela, G.  
**Drilling Contractor:** Scott, H.A. Drilling  

**Elevation (AMSL) (m):** 763  
**AEP:** 412404  
**Licence No.:**  
**Date Started:** 26 Jan 78  
**Easting:** 12,692.94  
**Date Completed:** 29 Jan 78  
**Northing:** 5,909,574.50

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Cable Tool  
- **Well Use:** Domestic  
- **Completed Depth:** 27.4 (m)  
- **NPWL (m):** 13.7  
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 9.1  
- **Bottom (m):** 9.1  
- **OD (mm):** 141.2  
- **Thickness (mm):**

### Seal Type:
- **Driven**
- **from (m):** to 9.1

### Liner:
- **OD (mm):** 114.3  
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 27.4

### Perforated How:
- **Torch**
- **from (m):** 21.3 to 27.4  
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 19.8

### Testing:
- **Rate (lpm):** 114.0  
- **Time (minute):** 120.0  
- **Level End (m):** 13.7  
- **Rec'd intake (m):**

### Laboratory:
<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
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<td>Hydroxide</td>
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<td>Arsenic</td>
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<td>Barium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp; Nitrite N</td>
</tr>
</tbody>
</table>

### Electric Log:
- No  
- Transmissivity: m²/day

### Gamma Log:
- No  
- Storativity:

### Aquifer Test:
- No  
- Project: Database: 1.000H

### AEP Data:
- Yes  
- Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SW 33-050-06 W5M**

**Well Number: 05650**

**Well Owner:** Schadeck, George  
**Drilling Contractor:** Schadeck, Otto Drilling

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<th>AEP: 412410</th>
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<td>Easting: 11,339.03</td>
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<tr>
<td>Date Started:</td>
<td></td>
<td>Northing: 5,909,202.50</td>
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<tr>
<td>Date Completed:</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>01 Oct 74</td>
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<table>
<thead>
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<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
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<tr>
<td>Drilling Method: <strong>Cable Tool</strong></td>
</tr>
<tr>
<td>Well Use: <strong>Stock</strong></td>
</tr>
<tr>
<td>Completed Depth: 24.4 (m)</td>
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<tr>
<td>NPWL (m): 9.1</td>
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<tr>
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<tr>
<td>Depth (m): 18.3</td>
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<tr>
<td>Bottom (m): 18.3</td>
</tr>
<tr>
<td>OD (mm): 131.6</td>
</tr>
<tr>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>Seal Type:</td>
</tr>
<tr>
<td>from (m): to</td>
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<table>
<thead>
<tr>
<th>Liner:</th>
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<tbody>
<tr>
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<tr>
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<tr>
<td>Perforated How:</td>
</tr>
<tr>
<td>from (m): to 22.9</td>
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<tr>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<table>
<thead>
<tr>
<th>Screen:</th>
</tr>
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<tbody>
<tr>
<td>Material:</td>
</tr>
<tr>
<td>OD (mm):</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m): to</td>
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<table>
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<tr>
<th>Pump: Sub</th>
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<tbody>
<tr>
<td>Model: <strong>Deming 9 Stage</strong></td>
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<td>Intake (m):</td>
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<table>
<thead>
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<tbody>
<tr>
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<td>Drawdown (m): 12.2</td>
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<td>Rec'd intake (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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<tr>
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<td>16 Jan 75</td>
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<td>pH (pH unit): 8.60</td>
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<td>Nitrates (mg/l): 1049 KTN</td>
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<td>Sodium (mg/l): 391.92 Nitrates (mg/l): 0.01 Strontium</td>
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<td>Potassium (mg/l): 0.78 Nitrites (mg/l): 0.01 Molybdenum</td>
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<td>Calcium (mg/l): 10.02 TN</td>
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<td>Magnesium (mg/l): 0.97 TC</td>
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<td>Carbonate (mg/l): 24.00 DIC</td>
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<td>Bicarbonate (mg/l): 818.75 Arsenic (mg/l): Total Hardness 29.00</td>
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<td>Aluminium (mg/l): Barium (mg/l): Manganese</td>
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<td>Sulphate (mg/l): 210.85 Beryllium (mg/l): Phosphate</td>
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<td>Fluoride (mg/l): 0.39 Chromium (mg/l): Amm. Nitrogen</td>
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<td>Iron (mg/l): 0.60 Cobalt (mg/l): Total Phosphate</td>
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<td>TOC (mg/l): 6.00 Copper (mg/l): Total Alkalinity 711.0</td>
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<td>Silicon (mg/l): Lead (mg/l): Nitrate&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

--

**Printed on 2/20/98**
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<tr>
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<th>Well Number 05651</th>
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<tbody>
<tr>
<td>Well Owner:</td>
<td>Mcginn, Clifford</td>
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<tr>
<td>Drilling Contractor:</td>
<td>Scott, H.A. Drilling</td>
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<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
<td>from (m): to Size:</td>
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<td>from (m):</td>
<td>to Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
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<tr>
<td>Screen:</td>
<td>Material:</td>
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<tr>
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<td>from (m): to Size:</td>
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<td>from (m):</td>
<td>to Size:</td>
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<tr>
<td>Open Hole:</td>
<td>from (m): to</td>
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<tr>
<td>Pump:</td>
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<td>Drawdown (m):</td>
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<tr>
<td>from (m):</td>
<td>Rec'd intake (m):</td>
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<td>from (m):</td>
<td>Rec'd Rate (lpm):</td>
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<td>TN</td>
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<td>Arsenic</td>
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<td>Barium</td>
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<td>Beryllium</td>
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<td>Chloride</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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<td>Laboratory:</td>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<td>Remarks:</td>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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<tr>
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<td></td>
<td>Project: Database: 1.000H</td>
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```
**SE 34-050-06 W5M**

**Well Owner:** Reich, Gary  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Unknown  
- **Completed Depth:** 32.3 (m)  
- **NPWL (m):** 13.7  
- **Veriﬁed NPWL (m):**  
- **Abandonment:**
  - **Type:** Steel  
  - **Depth (m):** 18.3  
  - **Bottom (m):** 18.3  
  - **OD (mm):** 141.2  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Formation Packer  
  - **from (m):** to 18.3

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- ** Thickness (mm):** 0.1  
- **Top (m):** 18.3  
- **Bottom (m):** 32.3  
- **Perforated How:** Torch  
  - **from (m):** 18.3  
  - **to 32.3**  
  - **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
  - **from (m):** to  
  - **to Size:**  
- **OD (mm):**  
  - **from (m):** to  
  - **to Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):** 15.2

**Testing:**
- **Rate (lpm):** 34.2  
- **Time (minute):** 420.0  
- **Level End (m):** 15.2  
- **Drawdown (m):** 1.5  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL)(AMSL) (m) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
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<tr>
<td>5.8</td>
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<td>6.1</td>
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<td>26.2</td>
<td>745.2</td>
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</tr>
<tr>
<td>32.3</td>
<td>739.1</td>
<td>Shale Greenish Gray</td>
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</tbody>
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---

**Remarks:**

Chemical Constituents are in mg/l (ppm), Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 30.5 m
- **NPWL (m):** 18.3
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 11.6
- **Bottom (m):** 11.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 11.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 30.5

### Perforated:
- **How:** Torch
- **from (m):** 24.4 to 30.5
- **to:** 30.5
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **to:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 21.3

### Testing:
- **Rate (lpm):** 159.6
- **Time (minute):** 60.0
- **Level End (m):** 18.3
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 05653

- **Well Owner:** Jabs, W.
- **Drilling Contractor:** Scott, H.A. Drilling
- **Elevation (AMSL) (m):** 776
- **AEP:** 413207
- **Licence No.:** Easting: 15,868.81
- **Date Started:** 06 Jun 76
- **Northing:** 5,910,272.00
- **Date Completed:** 07 Jun 76

---

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<tr>
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**Electric Log:** No  **Transmissivity:** m³/day  
**Gamma Log:** No  **Storativity:**  
**Aquifer Test:** No  **Project:** Database: 1.000H  
**AEP Data:** Yes  **Well Field Verified:** No
**NE 35-050-06 W5M**

**Well Owner:** Zander, Charles  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 776  
**AEP:** 413208  
**Licence No.:** Easting: 15,868.81  
**Date Started:** Northing: 5,910,272.00  
**Date Completed:**

---

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth (m):** 10.4  
- **NPWL (m):** Verified NPWL (m):
  - **Abandonment:**

### Casing:
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:**  
    - **from (m):** to

### Liner:
- **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):
  - **Perforated How:**  
    - **from (m):** to **Size:**  
    - **from (m):** to **Size:**  
    - **from (m):** to **Size:**

### Screen:
- **Material:**  
  - **OD (mm):**  
    - **from (m):** to **Size:**  
    - **from (m):** to **Size:**  
    - **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
  - **Intake (m):**  
  - **Rate (lpm):** **Time (minute):**  
  - **Level End (m):** **Drawdown (m):**  
  - **Rec’d intake (m):** **Rec’d Rate (lpm):**

### Laboratory:
- **13 Jul 64**

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<td>Mercury</td>
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<td>Nitrate</td>
<td>Strontium</td>
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<td>Silica</td>
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### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27

---

### Depth Elevation (BGL) (AMSL):

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<td>(No Lithologic Information Available)</td>
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### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:

### Aquifer Test:
- **ToC:**  
  - **Model:**

### AEP Data:
- **Database:** 1.000H  
- **AEP:** Yes  
- **Well Field Verified:** No

---

*printed on 2/20/98*
**SE 35-050-06 W5M**

**Well Number: 05655**

**Well Owner:** Hooper, Don

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 772
**AEP:** 413205
**Licence No.:** Easting: 15,927.64
**Date Started:** Northing: 5,909,808.00
**Date Completed:** 29 Oct 73

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 36.9 (m)
- **NPWL (m):** 31.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 33.8
- **Bottom (m):** 33.8
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packer
- **from (m):** to
- **Size:**

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):**
- **Bottom (m):** 36.9
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 31.7
- **Drawdown (m):** 0.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 39.6 (m)
  - NPWL (m): 26.2
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Formation Packer
  - from (m): to 15.2

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Perforated How:** Torch
  - from (m): 26.2 to 38.1
  - Size: Size: Size:

**Screen:**
- **Material:**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m): 27.1

**Testing:**
- **Rate (lpm):** 63.9
  - Time (minute): 240.0
- **Level End (m):** 27.1
- **Drawdown (m):** 0.9
- **Rec'd intake (m):** 35.0

**Laboratory:**
- **COD**
- **SAR**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Barium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 36-050-06 W5M**

**Well Owner:** Ennis, B.

**Drilling Contractor:** Scott, H.A. Drilling

**Elevation (AMSL) (m):** 776  
**AEP:** 413213

**Licence No.:**  
**Easting:** 17,622.21  
**N north:** 5,910,383.00

**Date Started:** 01 Apr 80  
**Date Completed:** 01 May 80

### General:

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Stock

**Completed Depth:** 38.1 (m)

**NPWL (m):** 19.8  
**Verified NPWL (m):**

**Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 10.7  
  **Bottom (m):** 10.7

**OD (mm):** 141.2  
**Thickness (mm):**

**Seal Type:** Driven

- **from (m):** to 10.7

### Liner:

- **Type:**

  - **OD (mm):** 114.3  
  **Thickness (mm):**

  - **Top (m):** to **Bottom (m):** 38.1

**Perforated How:** Torch

- **from (m):** 32.0  
  **to:** 38.1  
  **Size:**

- **from (m):** 38.1  
  **Size:**

### Screen:

- **Material:**

  - **OD (mm):**

    - **from (m):** to **Size:**

    - **from (m):** to **Size:**

### Open Hole:

- **from (m):**

### Pump:

- **Model:**

  - **Intake (m):** 36.6

### Testing:

- **Rate (lpm):** 41.1  
  **Time (minute):** 1440.0

- **Level End (m):** 19.8  
  **Drawdown (m):**

- **Rec'd intake (m):** 27.4  
  **Rec'd Rate (lpm):**

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<th>pH</th>
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### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Database:** Project: 1.000H

**Well Field Verified:** No
Well Number: **05658**

**General:**

- **Well Owner:** Ennis, Barry
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.
- **Well Use:** Unknown
- **Completed Depth:** **101.8** m
- **NPWL (m):** 38.1
- **Done:** No
- **Abandonment:** No

**Casing:**

- **Type:** Steel
- **Depth (m):** 44.5
- **Bottom (m):** 44.5
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packers
- **from (m):** to 44.5

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 100.9

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m): 82.3

**Testing:**

- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** Drawdown (m): 44.2
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Sulfate:**
- **Chloride:**
- **Flouride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<thead>
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<th>Drilling Method</th>
<th>Lithologic Description</th>
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<td>(m) (m)</td>
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<td>10.7</td>
<td>765.3 Clay Blue</td>
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<td>11.9</td>
<td>764.1 Siltstone Yellow</td>
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<td>15.5</td>
<td>760.5 Shale Brittle</td>
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<td>33.2</td>
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<td>62.5</td>
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</table>

**Database:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
**NW 36-050-06 W5M**

**Well Owner:** Nault, Allan  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 777  
**AEP:** 413212  
**Date Started:**  
**Date Completed:**

---

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

**Completed Depth:** 53.3 (m)  
**NPWL (m):**  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  

**Perforated How:**
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completed Depth:
- **NPWL (m):** 36.0
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 44.2
  - **OD (mm):** 141.2
  - **Seal Type:** Driven
  - **from (m):** to 44.2

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 42.4
- **Bottom (m):** 81.4
- **Perforated How:** Machine
  - **from (m):** to 45.7
  - **Size:** to 72.2

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 70.1

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 67.1
- **Drawdown (m):** 31.1
- **Rec'd Rate (lpm):** **Rec'd intake (m):**

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

## Depth Elevation:

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<td>81.4</td>
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## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **TOC:**
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Project:
- **Database:** 1.000H

## AEP Data:
- **AEP:** 05660
- **Well Field Verified:** No

## Well Number:
- **05660**

## Elevation (AMSL) (m):
- **775**

## Licence No.:
- **359708**

## Date Started:
- **26 Aug 91**

## Date Completed:
- **26 Aug 91**

## Printed on:
- 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 m (m)
- **NPWL (m):** 25.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Unknown
- **from (m):** to 25.6

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 32.0

### Testing:
- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
## General:
- **Type of Work:** Deepened
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 43.3 m
  - NPWL (m): 10.7
  - Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth:**
  - (m): 12.2
  - Bottom (m): 12.2
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
  - from (m): to 12.2

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 43.3

## Perforated How:
- **Torch**
  - from (m): 34.1 to 43.3
  - Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 10.7

## Testing:
- **Rate (lpm):** 41.1
  - Time (minute): 600.0
- **Level End (m):**
- **Rec'd intake (m):**
  - Rec'd Rate (lpm):

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Magnesium:**
- **Calcium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Pump:**
- **Intake (m):**

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:**
- **Database:** 1.000H

## Lithologic Description:
- **General:**
- **Type of Work:** Deepened
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
**SW 36-050-06 W5M**

**Well Owner:** Zander, M.

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 775  
**AEP:** 413209  
**Licence No.:** 775  
**Easting:** 16,295.92  
**Northing:** 5,909,504.00  
**Date Started:** 16 May 69  
**Date Completed:** 17 May 69

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 44.2 (m)  
- **NPWL (m):** 35.0  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 18.3  
- **Bottom (m):** 18.3  
- **OD (mm):** 127.0
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**
- **Type:**
- **Depth (m):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

Printed on 2/20/98
WH 36-050-06 W5M

Well Owner: Godwin John & Jean Yvonne
Drilling Contractor: Morrill’s Water Well Drilling Ltd.

Elevation (AMSL) (m): 774
Licence No.: AEP: 354156
Date Started: 06 Aug 90
Date Completed: 06 Aug 90

Well Number 05664

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth: 42.1 (m)
NPWL (m): 25.9
Abandonment:

Casing:
Type: Plastic
Depth (m): 24.4
OD (mm): 139.7
Thick (mm): 0.1
From (m): 30.5
To: 42.1

Liner:
Type: Driven
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 23.2
Bottom (m): 42.1

Perforated How: Machine
From (m): 30.5
To: 42.1

Screen:
Material:
OD (mm):
From (m):
To: Size:

Open Hole:
From (m):
To:

Pump: Sub
Model: Gould
Intake (m):

Testing:
Rate (lpm): 45.6
Time (minute): 120.0
Level End (m): 33.5
Drawdown (m): 7.6
Rec’d intake (m): 37.8
Rec’d Rate (lpm):

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(Lithologic Description)
(m) (m)
2.4 772.0 Clay Brown
8.2 766.2 Clay Gray
8.8 765.6 Sandstone Fractured
11.3 763.2 Sandstone Brownish Gray
13.4 761.0 Shale Light Gray
18.0 756.5 Sand Fine Grained Gray
19.5 754.9 Shale Gray
21.9 752.5 Sand Fine Grained Gray
25.3 749.2 Shale Green
29.6 744.9 Sand Fine Grained Gray
30.5 744.0 Sandstone Gray
35.7 738.8 Sand Gray
37.5 737.0 Sand See Comments Gray
40.8 733.6 Sand Gray
42.1 732.4 Shale Green

Electric Log: No
Gamma Log: No
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Transmissivity: m³/day
Storativity: 

Printed on 2/20/98
**Well Number:** 06098

**Well Owner:** Hennig, Harvey

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 705

**Licence No.:** Easting: 64,286.57

**Date Started:** 28 Apr 95

**Date Completed:** 01 May 95

**Well Number:** 06098

**Well Owner:** Hennig, Harvey

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 705

**Licence No.:** Easting: 64,286.57

**Date Started:** 28 Apr 95

**Date Completed:** 01 May 95

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 9.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 28.7
- **Bottom (m):** 28.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 26.3 to 28.7

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 51.8
- **Perforated How:** Saw
- **from (m):** 41.2 to 50.3
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

**Open Hole:**

- **from (m):**

**Pump:** Sub

- **Model:** Jacuzzi
- **Intake (m):** 36.6

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Drawdown (m):** 27.4
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**

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<td>Nitrate &amp; Nitrite</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**Well Number: 06099**

**Well Owner:** Wagner, Todd  
**Drilling Contractor:** D&D Water Well Drilling & Services

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** 9.1  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 19.2  
- **Bottom (m):** 19.2  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Welded  
- **from (m):** to 19.2

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 18.3  
- **Bottom (m):** 61.0

**Perforated How:** Other  
- **from (m):** to 61.0  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 54.7  
- **Time (minute):** 240.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 27.4  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **Toc:**  
- **Silica:**  

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>Elevation (m)</th>
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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Irrigation
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 29.3
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 24.4 to 32.0

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 29.0
- **Bottom (m):** 79.2
- **Perforated How:** Hand Drill
- **from (m):** 33.8 to 77.7
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 61.0

### Testing:
- **Level End (m):** 54.9
- **Drawdown (m):** 25.6
- **Rec'd intake (m):** 54.9
- **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TC
- **Magnesium:** DIC
- **Carbonate:** Arsenic
- **Bicarbonate:** Barium
- **Aluminum:** Beryllium
- **Total Hardness:** Sodium
- **Sulphate:** Sodium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
  - **Completed Depth:** 78.6 (m)
  - **Elevation (AMSL) (m):**
  - **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Selenium:**
- **Potassium:**
- **Strontium:**
- **Lead:**
- **Magnesium:**
- **Calcium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Copper:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **TDS:**
- **Nitrate:**
- **Nitrite:**
- **Sodium:**
- **Phosphate:**
- **Lead:**
- **Nitrate:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
- **(BGL) (AMSL) (m) (m) Lithologic Description**

**Water Well Positioned by PFRA in 10TM NAD 27**

**print on 2/20/98**
**SW 05-051-01 W5M**

**Well Owner:** Taylor, Larry  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<th>Depth</th>
<th>Elevation (BGL) (AMSL) (m)</th>
<th>Lithologic Description</th>
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<td>4.9</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
SE 08-051-01 W5M

Well Owner: Taylor, Wayne
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 06103

Elevation (AMSL) (m): 742
AEP: 363000

Date Started: 22 Dec 91
Date Completed: 22 Dec 91

Licence No.: 59,697.07
Nothing: 5,912,813.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth 24.4 (m)
NPWL (m): 9.8 Verified NPWL (m):
Abandonment:
Type: Plastic
Depth (m): 21.9 Bottom (m): 21.9
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Sand Pack
from (m): to

Casing:
Type: Plastic
Depth (m): 21.9 Bottom (m): 21.9
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Sand Pack
from (m): to

Liner:
Type: Plastic
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated Hole:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): 21.9 to 23.5 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 136.6 Time (minute): 120.0
Level End (m): 18.3 Drawdown (m): 8.5
Rec'd Rate (lpm): Rec'd intake (m):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calciun TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

 printed on 2/20/98

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
Well Number: 06104

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Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No | Transmissivity: m³/day
Gamma Log: No | Storativity:
Aquifer Test: No |
Project: | Database: 1.000H
AEP Data: Yes | Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 m
- **NPWL (m):** 15.2
- **Verified NPWL (m):** 15.2
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** 27.4
- **to:** 64.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 15.2
- **Bottom (m):** 64.0

**Perforated How:** Machine
- **from (m):** 27.4
- **to:** 64.0

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 61.0

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 30.5
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
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- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) (m):**
- 6.1 726.2 Clay Brown
- 27.4 704.9 Shale Gray
- 35.0 697.3 Sandstone
- 44.2 688.1 Shale Green
- 44.8 687.5 Coal
- 45.4 686.9 Shale Brown
- 46.6 685.7 Coal
- 47.9 684.5 Shale Brown
- 49.7 682.6 Coal
- 54.9 677.5 Shale Blue
- 59.4 672.9 Sandstone
- 60.0 672.3 Coal
- 63.1 669.2 Sandstone Gray
- 64.0 668.3 Shale Blue

**Electric Log:** No
**Transmissivity:**
**Gamma Log:**
**Storativity:**
**Aquifer Test:** Yes
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Owner:** Rebus, John  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL:** 4.6 m
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth:** 12.8 m  
- **Bottom:** 12.8 m
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **Bottom (m):** 44.8

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top:** 10.7 m  
- **Bottom:** 44.8 m
- **Perforated How:** Saw
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **Thickness:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 21.3
- **Drawdown (m):** 16.8
- **Rec'd intake (m):** 21.3
- **Rec'd (lpm):** 31.9

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**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**
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**Laboratory:**
- **pH:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Vanadium:**
- **TC:**
- **Calcium:**
- **Zinc:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
Water Well Positioned by PFRA in 10TM NAD 27
### General
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 70.1 m (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

#### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

#### Screen
- **Material:**
- **OD (mm):**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

#### Open Hole
- **from (m):** to

#### Pump
- **Model:**
- **Intake (m):**

#### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory
- **pH (pH unit):** 8.30
- **Cond. (µS/cm):** 1512
- **TDS:** 958.0
- **Sodium:** 339.94
- **Potassium:** 1.56
- **Calcium:** 22.04
- **Magnesium:** 3.04
- **Carbonate:** 652.20
- **Bicarbonate:** 565.20
- **Aluminum:** 3.54
- **Barium:** 0.16
- **Silicate:** 268.01
- **Chloride:** 2.13
- **Fluoride:** 0.01
- **Iron:** 0.21
- **TOC:** 0.21
- **Silica:** 8.50

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<td>Molybdenum</td>
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<td>Total Phosphate</td>
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### Electric Log
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **AEP Data:**

### Remarks
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: SE 19-051-01 W5M

Well Owner: Guignion, Roy
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 755
Licence No.: AEP: 369401
Date Started: 01 May 93
Date Completed: 06 May 93

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<th>Lithologic Description</th>
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<td>(m)</td>
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<td>74.1</td>
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<tr>
<td>76.2</td>
<td>679.2</td>
<td>Shale Gray</td>
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General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic & Stock
  - Completed Depth: 76.2 (m)
  - NPWL (m): 21.3
- Abandonment:

Casings:
- Type: Plastic
  - Depth (m): 43.9
  - Bottom (m): 43.9
  - OD (mm): 152.4
  - Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
  - from (m): to 43.9

Liner:
- Type: Plastic
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 42.7
  - Bottom (m): 76.2

Perforated How: Saw
- from (m): to 57.9
- to 75.6
- Size:

Screen:
- Material: Plastic
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
  - Intake (m): 76.2

Testing:
- Rate (lpm): 36.5
- Time (minute): 180.0
- Level End (m): 54.9
- Drawdown (m): 33.5
- Rec'd intake (m): 57.9
- Rec'd Rate (lpm): 27.4

Laboratory:
- pH (pH unit) COD
  - Cond. (µS/cm) SAR
  - TDS
  - Sodium
  - Nitrate
  - Potassium
  - Nitrite
  - Calcium
  - TN
  - Magnesium
  - TC
  - Carbonate
  - DIC
  - Bicarbonate
  - Arsenic
  - Aluminum
  - Barium
  - Sulphate
  - Beryllium
  - Chloride
  - Cadmium
  - Fluoride
  - Chromium
  - Iron
  - TOC
  - TOC
  - Silica
  - Lead
  - Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NE 20-051-01 W5M**

Well Owner: **Bryant, Kevin**  
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**Elevation (AMSL) (m):** 756  
**Licence No.:** 06110  
**Date Started:** 03 May 90  
**Date Completed:** 04 May 90

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<td>from (m):</td>
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<td>to</td>
<td>Size:</td>
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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**  
**BGL** (AMSL) | Lithologic Description  
--- | --- | --- |
4.9 | 750.8 | Clay Yellow  
8.5 | 747.1 | Clay Blue  
12.2 | 743.5 | Shale Gray  
16.1 | 739.5 | Shale Green  
18.6 | 737.1 | Shale Gray  
34.1 | 721.5 | Shale Sandy Gray  
34.8 | 720.9 | Shale & Coal Brown  
36.0 | 719.7 | Shale Gray  
46.6 | 709.0 | Shale Sandy Gray  
50.3 | 705.4 | Shale Gray

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*printed on 2/20/98*
Well Owner: Wentland, Ellen/Thompson, C
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 762
Licence No.: 359,712
Date Started: 30 Jul 91
Easting: 59,270.77
Date Completed: 31 Jul 91
Northing: 5,816,985.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth: 53.3 (m)
NPWL (m): 22.9
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 20.7
Bottom (m): 20.7
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Formation Packer
from (m): to 20.7

Liner:
Type: Plastic
OD (mm): 127.0
Thickness (mm): 0.1
Top (m): 16.8
Bottom (m): 52.4

Perforated How: Machine
from (m): 16.8 to 52.4
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 31.9
Time (minute): 420.0
Level End (m): 38.1
Drawdown (m): 15.2
Rec’d intake (m):
Rec’d Rate (lpm):

Lab:
pH (pH unit): COD Mercurry
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphorus
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm).

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

print on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 41.2 (m)
- **NPWL (m):** 11.0
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 24.4
- **Bottom (m):** 24.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
- **from (m):** to 24.4

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 22.9
- **Bottom (m):** 41.2
- **Perforated How:** Saw
- **from (m):** 29.0 to 41.2

**Screen:**
- **Material:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 41.2

**Testing:**
- **Rate (lpm):** 82.1
- **Time (minute):** 120.0
- **Level End (m):** 29.9
- **Drawdown (m):** 18.9
- **Rec'd intake (m):** 21.3
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

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**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth & Elevation:**
- **(m):** 743
- **(m):** 60242.02
- **Lithologic Description**

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**Database:**
- **AEP Data:** Yes
- **Well Field Verified:** No
- **Project:** 1.000H
- **Aquifer Test:** No
- **Gamma Log:** No
- **Transmissivity:** m²/day

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
SE 22-051-01 W5M

Well Owner: Schlecker, Bill
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 729
AEP: 360254
Licence No.: Easting: 62,932.39
Date Started: 16 Jul 91
Northing: 5,916,488.50
Date Completed: 16 Jul 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth 36.6 (m)
NPWL (m): 7.6 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 12.2 Bottom (m): 12.2
OD (mm): 127.0 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 7.6

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to Size:

Screen:
Material: SI
OD (mm): 1.5
from (m): 12.2 to 36.6 Size: 0.01

Open Hole:
from (m):

Pump:
Model: Intake (m): 35.0

Testing:
Rate (lpm): 22.8 Time (minute): 300.0
Level End (m): 33.5 Drawdown (m): 25.9
Rec’d intake (m): Rec’d Rate (lpm): 18.2

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium IOn Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 24.4 (m)
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 6.1
- **Bottom (m):** 6.1
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **Size:**
- **Size:**

**Screen:**
- **Material:** SI
- **OD (mm):** 1.5
- **from (m):** 6.1 to 24.4
- **Size:** 0.01
- **from (m):**
- **to**
- **Size:**

**Open Hole:**
- **from (m):**
- **to**

**Pump:**
- **Model:**
- **Intake (m):** 22.9

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 21.3
- **Drawdown (m):** 15.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphorus:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Stock**
- Completed Depth: 54.9 m
  - NPWL (m): 6.1
  - Verifed NPWL (m):
- Abandonment:

**Casing:**
- Type: **Plastic**
  - Depth (m): 9.1
  - Bottom (m): 9.1
- OD (mm): 152.4
  - Thickness (mm): 0.2
- Seal Type: **Shale Trap**
  - from (m): to 9.1

**Liner:**
- Type:
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 6.1
  - Bottom (m): 54.9
- Perforated How: **Machine**
  - from (m): 6.1 to 54.9
  - Size: 
  - from (m): 
  - Size: 
  - from (m): 
  - Size: 

**Screen:**
- Material:
  - OD (mm):
    - from (m): to 
    - Size: 
    - from (m): to 
    - Size: 

**Open Hole:**
- from (m): 

**Pump:**
- Model: Intake (m): 39.6

**Testing:**
- Rate (lpm): 45.6
  - Time (minute): 1440.0
- Level End (m): 30.5
  - Drawdown (m): 24.4
- Rec'd intake (m): Rec'd Rate (lpm): 36.5

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 06116**

**Well Owner:** Schlecker, Paul  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 725  
**AEP:** 366994  
**Date Started:**  
**Easting:** 63,264.06  
**Northing:** 5,816,121.00  
**Date Completed:**

---

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Selenium:**  
- **Strontium:**  
- **Barium:**  
- **Beryllium:**  
- **Cadmium:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Lead:**  
- **Nitrate & Nitrite:**  
- **Mercury:**  
- **Nickel:**  
- **Sodium:**  
- **Sulfate:**  
- **Sodium:**  
- **Molybdenum:**  
- **Iron:**  
- **Manganese:**  
- **Vanadium:**  
- **Zinc:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitrate & Nitrite:**  
- **Total Alkalinity:**  
- **Copper:**  
- **Lead:**  
- **Iron:**  
- **Chromium:**  
- **Total Phosphate:**  
- **Lead:**  
- **Phosphate:**  
- **Lead:**  
- **Nitrate & Nitrite:**  
- **Phosphate:**  
- **Lead:**  
- **Lead:**  

**Chemical Constituents are in mg/l (ppm). Excerpt as noted.**

**Remarks:**
**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation**
- **(BGL) (AMSL)**
- **(m) (m)**
- **Lithologic Description**

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

---

**Remarks:**

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**printed on 2/20/98**
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 51.5 m
- NPWL (m): 9.1
- Abandonment: 
- Casing: 
  - Type: **Plastic**
  - Depth (m): 30.5
  - Bottom (m): 30.5
- OD (mm): 131.6
- Thickness (mm): 0.1
- Seal Type: **Driven**
- from (m): to 30.5
- Liner: 
  - Type: 
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 30.5
  - Bottom (m): 50.6
- Perforated How: **Machine**
- from (m): to 50.6
- from (m): to Size:
- Screen: 
  - Material: 
  - OD (mm): 
  - from (m): to Size:
  - from (m): to Size:
- Open Hole: 
  - from (m): to 
- Pump: 
  - Model: 
  - Intake (m):
  - Rate (lpm): 31.9
  - Time (minute): 420.0
  - Level End (m): 18.3
  - Drawdown (m): 9.1
  - Rec'd intake (m): 
  - Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit) COD
- Cond. (µS/cm) SAR, Nickel
- TDS TKN, Selenium
- Sodium Nitrate, Strontium
- Potassium Nitrite, Molybdenum
- Calcium TN, Vanadium
- Magnesium TC, Zinc
- Carbonate DIC, Hydroxide
- Bicarbonate Arsenic, Total Hardness
- Aluminum Barium, Manganese
- Sulphate Beryllium, Phosphate
- Chloride Cadmium, Ion Balance
- Fluoride Chromium, Amm. Nitrogen
- Iron Cobalt, Total Phosphate
- TOC Copper, Total Alkalinity
- Silica Lead, Nitrate & Nitrite

**Remarks:**

**Depth and Elevation:**

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**Lithologic Description:**
- Clay Yellow
- Clay Blue
- Shale Brown
- Shale Gray
- Sandstone
- Shale Green

**Electric Log: No**
**Transmissivity:** m²/day
**Gamma Log: No**
**Storativity:**
**Aquifer Test: No**
**Project: Database: 1.000H**
**AEP Data: Yes**
**Well Field Verified: No**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Dykes, J
Drilling Contractor: Double R Drig

Well Number: 06118

Elevation (AMSL) (m): 719
AEP: 365987
 Licence No.: Easting: 66211.03
Date Started: 18 Jun 92  Northing: 5819054.00
Date Completed: 20 Jun 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 46.3 (m)
NPWL (m): 9.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 22.9 Bottom (m): 22.9
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Driven & Shale Trap
from (m): to 22.9

Liner:
Type: Plastic
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 17.4 Bottom (m): 29.6
Perforated How: Saw
from (m): 22.9 to 29.6 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 27.4

Testing:
Rate (lpm): 22.8 Time (minute): 540.0
Level End (m): Drawdown (m):
Rec’d intake (m): 27.4 Rec’d Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Depth Elevation
(BGL) (AMSL)
(m) (m) Lithologic Description
6.7 712.3 Clay Hard
13.7 705.2 Sand
17.7 701.3 Till Sandy
20.7 698.2 Shale Sandy Gray
22.9 696.1 Shale Greenish Gray
23.8 695.2 Sandstone Stringers Hard
29.0 690.0 Sandstone Fine Grained
29.9 689.1 Sandstone
31.1 687.9 Shale & Sandstone Gray
36.0 683.0 Shale Green
39.6 679.3 Shale Sandy Gray
42.1 676.9 Shale & Sandstone Gray
45.1 673.9 Sandstone
46.3 672.6 Shale Sandy Gray

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

defined on 20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL (m):** 13.7
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 31.1
- **Bottom (m):** 31.1
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):**
- **to:** 3.1

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 31.1
- **Bottom (m):** 44.8
- **Perforated How:** Machine
- **from (m):**
- **to:** 44.8
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 21.3
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 73.8 (m)
- **NPWL (m):** 18.0
- **Abandonment:**
  - **Casing:** Type: Plastic
    - **Depth (m):** 25.6
    - **Bottom (m):** 25.6
    - **OD (mm):** 152.4
    - **Thickness (mm):** 0.1
  - **Seal Type:** Shale Trap & Bentonite
    - **from (m):** to 25.6

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
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<td>73.8</td>
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**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to Size:

**Pump:**
- **Model:**
  - **Intake (m):** 73.8

**Testing:**
- **Rate (lpm):** 45.6
  - **Time (minute):** 180.0
- **Level End (m):** 48.8
  - **Drawdown (m):** 30.8
- **Rec'd intake (m):** 54.9
  - **Rec'd Rate (lpm):**

**Laboratory:**

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<td>Cond. (µS/cm)</td>
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</tr>
<tr>
<td>TDS</td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td></td>
</tr>
<tr>
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<td>Iron</td>
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<td>Aquifer Test:</td>
<td>No</td>
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<td>Project:</td>
<td>Database: 1.000H</td>
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**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Drilled By:**
D&D Water Well Drilling & Services
SE 29-051-01 W5M

Well Owner: Scheopp, Lawrence

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 740
AEP: 350114
Licence No.: Easting: 59,955.87
Date Started: 05 Mar 90
Northing: 5,917,673.50
Date Completed: 06 Mar 90

Well Number: 06121

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Unknown
- Completed Depth: 42.4 (m)
- NPWL (m): 16.8
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 27.4
- Bottom (m): 27.4
- OD (mm): 152.4
- Thickness (mm):
- Seal Type: Driven
- from (m): to 27.4

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm):
- Top (m): 27.4
- Bottom (m): 41.5
- Perforated How:
- from (m): to 41.5
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 63.9
- Time (minute): 420.0
- Level End (m): 24.4
- Drawdown (m): 7.6
- Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Nitrate
- Potassium
- Nitrite
- Calcium
- TN
- Magnesium
- TC
- Carbonate
- DIC
- Bicarbonate
- Arsenic
- Barium
- Manganese
- Sulphate
- Beryllium
- Chloride
- Cadmium
- Iron
- Cobalt
- TOC
- Copper
- Silica
- Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Drilling Contractor:** D&D Water Well Drilling & Services

**Well Owner:** Evjen, Gary

**Elevation (AMSL) (m):** 756
**AEP:** 373897
**Licence No.:** Easting: 58,598.08
**Date Started:** 02 Nov 93
**No.** Northing: 5,917,561.50
**Date Completed:** 03 Nov 93

**Elevation (BGL) (m):**

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<td>7.6</td>
<td>748.7</td>
<td>Sand</td>
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<td>14.3</td>
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<td>31.7</td>
<td>724.6</td>
<td>Sandstone</td>
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<td>32.3</td>
<td>724.0</td>
<td>Coal</td>
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<td>35.4</td>
<td>720.9</td>
<td>Shale Gray</td>
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**Abandonment:**

<table>
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<tr>
<th>Date</th>
<th>Well Use</th>
<th>Drilling Method</th>
<th>Well Use</th>
<th>Well Use</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

**Completed Depth:** 35.4 (m)
- **NPWL (m):** 5.5
- **Verified NPWL (m):**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 18.6
- **Bottom (m):** 18.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 2.7 to 18.6

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 17.1
- **Bottom (m):** 35.4

**Perforated How:** Saw
- **from (m):** 24.4 to 35.0
  - **Size:**
- **from (m):** to 35.0
  - **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **Intake (m):** 35.4

**Pump:**
- **Model:**
- **Intake (m):** 35.4

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 240.0
- **Level End (m):** 25.6
- **Drawdown (m):** 20.1
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
  - **COD:**
  - **SAR:**
  - **TDS:**
  - **TKN:**
  - **Sodium:**
  - **Nitrate:**
  - **Strontium:**
  - **Potassium:**
  - **Nitrite:**
  - **Molybdenum:**
  - **Calcium:**
  - **TN:**
  - **Vanadium:**
  - **Magnesium:**
  - **TC:**
  - **Zinc:**
  - **Carbonate:**
  - **DIC:**
  - **Hydroxide:**
  - **Bicarbonate:**
  - **Arsenic:**
  - **Total Hardness:**
  - **Aluminum:**
  - **Barium:**
  - **Manganese:**
  - **Sulphate:**
  - **Beryllium:**
  - **Phosphate:**
  - **Chloride:**
  - **Cadmium:**
  - **Ion Balance:**
  - **Fluoride:**
  - **Chromium:**
  - **Amm. Nitrogen:**
  - **Iron:**
  - **Cobalt:**
  - **Total Phosphate:**
  - **TOC:**
  - **Copper:**
  - **Total Alkalinity:**
  - **Silica:**
  - **Lead:**
  - **Nitrate&Nitrite N**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Evjen, Gary
Drilling Contractor: D&D Water Well Drilling & Services

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 46.9 (m)
- **NPWL (m):** 7.9
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 24.7
- **Bottom (m):** 24.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 2.7 to 24.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 23.2
- **Bottom (m):** 46.9
- **Perforated How:** Saw
  - **from (m):** 33.2 to 44.5
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**
- **Open Hole:**
  - **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 46.9

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 240.0
- **Level End (m):** 35.0
- **Drawdown (m):** 27.1
- **Rec'd intake (m):** 36.6
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 06124**

**Well Owner:** Deshauriers, Jim/Jean  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 742  
**AEP:** 356864  
**Date Started:**  
**Easting:** 58,756.25  
**Northing:** 5,920,682.00  
**Date Completed:**  

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** Size:  
- **from (m):** Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):**  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Testing:**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Molybdenum:**  
- **Vanadium:**  
- **Zinc:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Manganese:**  
- **Phosphate:**  
- **Ion Balance:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **Nickel:**  
- **Molybdenum:**  
- **Potassium:**  
- **Seal:**  
- **Liner:**  
- **Type:**  
- **Material:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** Size:  
- **from (m):** Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):**  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Project:** Database: **1.000H**
**AEP Data:** Yes Well Field Verified: No

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Printed on:** 2/20/98
**NW 33-051-01 W5M**

**Well Number: 06125**

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 m
- **NPWL (m):** 3.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 7.6
- **Bottom (m):** 7.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 7.6

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 26.5

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 18.3
- **Drawdown (m):** 14.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 06126**

**SE 33-051-01 W5M**

**Well Owner:** Cowban, Terry  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 736  
**AEP:** 449093  
**Date Started:**  
**Date Completed:**

**General:**
- Type of Work: Chemistry  
- Drilling Method: Drilled  
- Well Use: Domestic  
- Completed Depth: 21.3 (m)  
- NPWL (m):  
- Verifed NPWL (m):  
- Abandonment:

**Casing:**
- Type:  
- Depth (m): Bottom (m):  
- OD (mm): Thickness (mm):  
- Seal Type:  
  - from (m): to

**Liner:**
- Type:  
- OD (mm): Thickness (mm):  
- Top (m): Bottom (m):  
- Perforated How:  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:

**Screen:**
- Material:  
- OD (mm): from (m): to Size:  
- from (m): to Size:  

**Open Hole:**
- from (m): to

**Pump:**
- Model:  
- Intake (m):

**Testing:**
- Rate (lpm):  
- Time (minute):  
- Level End (m): Drawdown (m):  
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- 04 Dec 76  
- pH (pH unit): 8.50  
- Cond. (µS/cm): 1590  
- SAR  
- TDS: 979.96  
- KTN: 0.02  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TC  
- Vanadium  
- Magnesium  
- Zinc  
- Carbonate  
- Arsenic  
- Total Hardness: 18.00  
- Bicarbonate  
- Barium  
- Manganese  
- Sulphate: 230.06  
- Beryllium  
- Phosphate  
- Chloride: 2.84  
- Chromium  
- Amm. Nitrogen  
- Fluoride: 1.73  
- Cobalt  
- Total Phosphate  
- Iron: 0.38  
- Copper  
- Total Alkalinity: 583.0  
- TOC  
- Lead  
- Nitrate & Nitrite N  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
Well Number: 06127

Well Owner: Zutz, Jack
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 732
AEP: 352465
Licence No.: Easting: 62,873.00
Date Started: 11 Oct 90
Northing: 5,920,218.00
Date Completed: 12 Oct 90

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth 64.0 (m)
NPWL (m): 22.9 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.6 Bottom (m): 36.6
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 36.6

Liner:
Type: Plastic
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 33.5 Bottom (m): 63.1

Perforated How: Machine
from (m): 33.5 to 63.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 31.9 Time (minute): 420.0
Level End (m): 45.7 Drawdown (m): 22.9
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NE 36-051-01 W5M**

**Well Owner:** Malner, York

**Drilling Contractor:** Unknown Driller

**Well Number:** 06128

**Elevation (AMSL) (m):** 717

**AEP:** 354504

**Easting:** 65,664.99

**Northing:** 5,920,704.00

---

### General

**Type of Work:** Chemistry

**Drilling Method:** Not Applicable

**Well Use:** Domestic

**Completed Depth:** 45.7 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

### Casing

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:**

**from (m):** to

### Liner

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

**from (m):** to **Size:**

**from (m):** to **Size:**

**from (m):** to **Size:**

### Screen

**Material:**

**OD (mm):**

**from (m):** to **Size:**

**from (m):** to **Size:**

**Open Hole:**

**from (m):** to

### Pump

**Model:**

**Intake (m):**

### Testing

**Rate (lpm):** **Time (minute):**

**Level End (m):** **Drawdown (m):**

**Rec'd intake (m):**

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<th>Transmissivity</th>
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### Laboratory

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>TDS</td>
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<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
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<td>Sulphate</td>
<td>Beryllium</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**printed on 2/20/98**
**SE 01-051-02 W5M**

Well Owner: **Genesee Agricultural Society**

Drilling Contractor: **D&D Water Well Drilling & Services**

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<tr>
<td>Elevation (AMSL) (m):</td>
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<tr>
<td>AEP:</td>
<td>357386</td>
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<td>Licence No.:</td>
<td>55,826.79</td>
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<td>Date Started:</td>
<td>14 May 91</td>
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<tr>
<td>Northing:</td>
<td>5,911,129.00</td>
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<tr>
<td>Date Completed:</td>
<td>15 May 91</td>
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**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 (m)
- **NPWL (m):** 7.6
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 15.2
- **Bottom (m):** 15.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Ring & Benton
- **from (m):** 15.2

**Liner:**

- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 14.0
- **Bottom (m):** 39.6
- **Perforated How:** Other
- **from (m):** 18.9 to 36.6
- **Size:**

**Screen:**

- **Material:** Plastic
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 41.1
- **Time (minute):** 240.0
- **Level End (m):** 24.4
- **Drawdown (m):** 16.8
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

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<tr>
<th>Chemical Constituents</th>
<th>Value</th>
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<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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</tr>
<tr>
<td>TDS</td>
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<tr>
<td>Sodium</td>
<td></td>
</tr>
<tr>
<td>Nitrate</td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td></td>
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<tr>
<td>Nitrte</td>
<td></td>
</tr>
<tr>
<td>Calcium</td>
<td></td>
</tr>
<tr>
<td>Magnesium</td>
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<td>Carbonate</td>
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<td>Bicarbonate</td>
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<td>Barium</td>
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<td>Cadmium</td>
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<td>Fluoride</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 100.6 m
- **Well Use:** Domestic
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
### General
- **Type of Work:** Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Monitoring  
- **Completed Depth:** 24.4 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size: from (m): to Size: from (m): to Size:  

### Screen
- **Material:**  
- **OD (mm):** from (m): to Size: from (m): to Size: from (m): to  

### Open Hole
- **from (m):** to  

### Pump
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** **Time (minute):**  
- **Level End (m):** **Drawdown (m):**  
- **Rec’d intake (m):** **Rec’d Rate (lpm):**  

### Laboratory
- **COD:** Mercury  
- **SAR:** Nickel  
- **TKN:** Selenium  
- **Nitrate:** Strontium  
- **Nitrite:** Molybdenum  
- **TN:** Vanadium  
- **TC:** Zinc  
- **DIC:** Hydroxide  
- **Arsenic:** Total Hardness  
- **Barium:** Manganese  
- **Beryllium:** Phosphate  
- **Cadium:** Ion Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Lead:** Nitrate&Nitrite N  

### Electric Log
- **Transmissivity:** m³/day  
- **Storativity:**  
- **Amm. Nitrogen:**  
- **Total Hardness:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitrate:**  
- **Sodium:**  
- **Barium:**  
- **Cobalt:**  
- **Copper:**  
- **Lead:**  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

*Water Well Positioned by PFRA in 10TM NAD 27*
NE 11-051-02 W5M

Well Owner: Shafer, Gil
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 06132
Elevation (AMSL) (m): 747
AEP: 379457
Date Started: 18 Apr 94
Date Completed: 19 Apr 94
Licence No.: Easting: 54,828.39
Northing: 5,914,009.50

Well Description:

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 89.6 (m)
NPWL (m): 57.6 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 47.9 Bottom (m): 47.9
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite from (m): 47.9 to

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 46.3 Bottom (m): 89.6
Perforated How: Saw from (m): 70.1 to 88.4 Size:
from (m): 47.9 to Size:
from (m): 70.1 to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
Casing:

Pump:
Model:
Intake (m): 89.6

Testing:
Rate (lpm): 89.6
Level End (m): 72.8 Drawdown (m): 15.2
Rec'd intake (m): 73.2 Rec'd Rate (lpm): 22.8

Laboratory:

pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminium
Sulphate
Chloride
Fluoride
Iron
TOC
Silica
Laboratory:
COD
SAR
TKN
Nitrate
Nitrite
Beryllium
Barium
Molybdenum
Phosphate
Cadmium
Chromium
Arsenic
Manganese
Phosphorus
Iron
Copper
Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**SW 11-051-02 W5M**

**Well Number:** 06133

**Well Owner:** Allen Bros #493e

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 748

**AEP:** 443822

**Licence No.:** Easting: 53,402.52

**Date Started:** Northing: 5,913,287.50

**Date Completed:** 27 Aug 70

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 29.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 60.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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<th>COD</th>
<th>Mercury</th>
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<td>Silicon</td>
<td>Lead</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

Type of Work: **Test Hole**  
Drilling Method: **Unknown**  
Well Use:  
Completed Depth: **61.0 m**  
NPWL (m): **06134SW 11-051-02 W5M**  
Abandonment:  

**Casing:**

Type:  
Depth (m): **from** to  
OD (mm): **from** to  
Seal Type: **from** to  

**Liner:**

Type:  
OD (mm): **from** to  
Top (m): **from** to  
Perforated How: **from** to  

**Screen:**

Material:  
OD (mm): **from** to  
from (m): **from** to  
from (m): **from** to  
Open Hole: **from** to  

**Pump:**

Model:  
Intake (m):  
Rate (lpm):  
Time (minute):  
Level End (m):  
Rec’d intake (m):  
Rec’d Rate (lpm):  

**Laboratory:**

pH (pH unit): **COD**  
Cond. (µS/cm): **SAR**  
TDS: **TN**  
Sodium: **Nitrate**  
Potassium: **Nitrite**  
Calcium: **Molybdenum**  
Magnesium: **Vanadium**  
Carbonate: **TC**  
Bicarbonate: **Zinc**  
Barium: **Amm. Nitrogen**  
Aluminium: **Beryllium**  
Sulphate: **Phosphate**  
Chloride: **Ion Balance**  
Fluoride: **Cadmium**  
Iron: **Chromium**  
TOC: **Cobalt**  
Silica: **Coppper**  

Chemical Constituents are in mg/l (ppm). Except as noted.

**Testing:**

Electric Log: **No**  
Gamma Log: **No**  
Aquifer Test: **No**  
AEP Data: **Yes**  

Transmissivity: **m²/day**  
Storativity:  
Database: **1.000H**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** **06134**  
**Elevation (AMSL) (m):** **748**  
**AEP:** **443823**  
**Licence No.:**  
**Easting:** **53,402.52**  
**Date Started:**  
**Northing:** **5,913,287.50**

**Well Owner:** **Allen Bros #494e**  
**Drilling Contractor:** **Unknown Driller**  
**Date Completed:** **09 Apr 70**
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 103.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole
- **Well Use:** Investigation

### Completed Depth:
- **NPWL (m):** 27.4 (m)
- **Verified NPWL (m):**
- **Abandonment:**

### Casings:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liners:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intakes (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
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<tr>
<td>Aluminum</td>
<td>Barium Manganese</td>
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<td>Sulphate</td>
<td>Beryllium Phosphate</td>
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<td>Chloride</td>
<td>Cadmium Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
NW 12-051-02 W5M

Well Number: 06137

Well Owner: Tyrrell, Mark
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 755
AEP: 399712
Licence No.: Easting: 55,150.28
Date Started: 11 Aug 94
Nothing: 5,814,150.00
Date Completed: 12 Aug 94

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 105.5 (m)
- NPWL (m): 61.0
- Abandonment:
- Type: Plastic
  - Depth (m): 69.2
  - Bottom (m): 69.2
- OD (mm): 152.4
  - Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
  - from (m): to 69.2

Liner:
- Type: Plastics
  - OD (mm): 114.3
  - Thickness (mm): 0.1
- Top (m): 67.7
  - Bottom (m): 105.5
- Perforated How: Saw
  - from (m): 85.3 to 105.5
  - Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m): 105.5
- Rate (lpm): Time (minute): 120.0
- Level End (m): 83.8
  - Drawdown (m): 22.9
  - Rec’d intake (m): 76.2
  - Rec’d Rate (lpm): 45.6

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganes
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
Well Number: **06138**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 17.4
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 42.7
  - **Bottom (m):** 42.7
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 36.6 to 42.7

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
    - **OD (mm):**
    - **from (m):** to Size:
  - **Open Hole:**
    - **from (m):** to

**Pump:**
- **Model:** Intake (m): 36.6

**Testing:**
- **Rate (lpm):** 41.1
- **Time (minute):** 120.0
- **Level End (m):** 21.0
- **Drawdown (m):** 3.7
- **Rec’d intake (m):** 27.4
- **Rec’d Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- ** Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Clay Brown</td>
<td>6.7</td>
<td>748.6</td>
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<tr>
<td>Clay Blue</td>
<td>14.6</td>
<td>740.7</td>
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<tr>
<td>Sandstone</td>
<td>26.2</td>
<td>729.1</td>
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<tr>
<td>Clay Blue</td>
<td>29.0</td>
<td>726.4</td>
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<tr>
<td>Gravel</td>
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<td>721.8</td>
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<tr>
<td>Stones Brown</td>
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<td>718.2</td>
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<tr>
<td>Shale Gray</td>
<td>44.8</td>
<td>710.5</td>
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<tr>
<td>Coal</td>
<td>45.4</td>
<td>709.9</td>
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<tr>
<td>Shale Gray</td>
<td>48.2</td>
<td>707.2</td>
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<tr>
<td>Sandstone Blue</td>
<td>49.7</td>
<td>705.7</td>
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<tr>
<td>Shale Gray</td>
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<td>703.8</td>
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<tr>
<td>Sandstone Blue</td>
<td>54.3</td>
<td>701.1</td>
</tr>
<tr>
<td>Shale</td>
<td>54.9</td>
<td>700.5</td>
</tr>
</tbody>
</table>

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock
- **Completed Depth:** 54.9 m  
- **NPWL (m):** 16.8  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth:** 37.8 m  
  - **Bottom:** 37.8 m  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap  
- **from (m):**  to 37.8

### Casing:
- **Type:** Plastic
- **Depth:** 37.8 m  
- **Bottom:** 37.8 m  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Perforated How:** Other  
- **from (m):**  to 51.8  
- **Size:**
- **from (m):**  to  
- **Size:**
- **from (m):**  to  

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):**  to  
  - **Size:**
- **from (m):**  to  
  - **Size:**
- **Open Hole:**
  - **from (m):**  to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 54.7  
- **Time (minute):** 180.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 13.7  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Magnesium:**
- **Calcium:**
- **Vanadium:**
- **Molybdenum:**
- **Zinc:**
- **Hydroxide:**
- **Carbohydrate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **m³/day**
- **Transmissivity:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Elevation (AMSL) (m):** 755  
**AEP:** 350339  
**Date Started:** 23 Mar 90  
**Date Completed:** 23 Mar 90  
**Licence No.:** Easting: 55,227.19  
**No:** Northing: 5,914,429.00

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Printed on:** 2/20/98
**Well Number:** 06140

**Well Owner:** Trimble, Shawn

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 754

**AEP:** 351031

**Licence No.:** Easting: 53,160.76

**Date Started:** 22 Jan 90

**Northing:** 5,915,661.50

**Date Completed:** 24 Jan 90

---

**General:**

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<th>Type of Work:</th>
<th>New Well</th>
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<td>Drilling Method:</td>
<td>Rotary</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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**Completed Depth:** 106.7 m

**NPWL (m):** 25.9

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

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<tbody>
<tr>
<td>Depth (m):</td>
<td>36.6</td>
</tr>
<tr>
<td>Bottom (m):</td>
<td>36.6</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>152.4</td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td>0.1</td>
</tr>
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**Seal Type:** Shale Trap

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<th>from (m):</th>
<th>to</th>
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<tr>
<td>36.6</td>
<td>36.6</td>
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**Liner:**

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<th>Type:</th>
<th>Shale Trap</th>
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<tbody>
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<td>OD (mm):</td>
<td>114.3</td>
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<tr>
<td>Top (m):</td>
<td>35.0</td>
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<td>Bottom (m):</td>
<td>106.7</td>
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**Perforated How:** Other

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<th>to</th>
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<tr>
<td>61.0</td>
<td>103.6</td>
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**Screen:**

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<table>
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<tr>
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<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
</thead>
</table>

<table>
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<tr>
<th>from (m):</th>
<th>to</th>
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**Open Hole:**

| from (m): |

**Pump:**

| Model: | Intake (m): |

**Testing:**

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<tr>
<th>Rate (lpm):</th>
<th>13.7</th>
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<td>Time (minute):</td>
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<th>Level End (m):</th>
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<td>59.4</td>
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| Rec'd intake (m): | 9.1 |

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
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<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS:</td>
<td>TKN</td>
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<td>Sodium:</td>
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<td>Barium</td>
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<td>Beryllium</td>
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<td>Cadmium</td>
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<tr>
<td>Fluoride:</td>
<td>Chromium</td>
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<tr>
<td>Iron:</td>
<td>Cobalt</td>
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<tr>
<td>TOC:</td>
<td>Copper</td>
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<tr>
<td>Silica:</td>
<td>Lead</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 16-051-02 W5M**

Well Owner: *Abey, Roy*

Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*

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<tr>
<th>General:</th>
<th>Well Number: 06141</th>
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<tbody>
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<td>Type of Work: New Well</td>
<td>Elevation (AMSL) (m): 751</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>AEP: 396721</td>
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<td>Well Use: Domestic &amp; Stock</td>
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<td>Completed Depth 24.1 (m)</td>
<td>Date Started: 17 May 94</td>
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<td>NPWL (m): 9.1</td>
<td>Northing: 5,915,321.50</td>
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<td>Abandonment:</td>
<td>Date Completed: 18 May 94</td>
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<th>Casing:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
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<td>(m)</td>
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<tr>
<td>Depth (m): 19.2</td>
<td>Bottom (m): 19.2</td>
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<tr>
<td>OD (mm): 152.4</td>
<td>Thickness (mm): 0.1</td>
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<td>Seal Type: from (m): to</td>
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<tr>
<th>Liner:</th>
<th>Lithologic Description</th>
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<tr>
<td>Type:</td>
<td>9.1 742.1 Clay Yellow</td>
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<tr>
<td>OD (mm): 192.4</td>
<td>Bottom (m): 19.2</td>
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<td>Thickness (mm): 0.1</td>
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<tr>
<td>Top (m):</td>
<td>152.4</td>
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<tr>
<td>from (m): to</td>
<td></td>
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<tr>
<td>Perforated How: Size: from (m): to</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
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<tr>
<th>Screen:</th>
<th>Open Hole:</th>
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<tbody>
<tr>
<td>Material: St</td>
<td>from (m): to</td>
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<tr>
<td>OD (mm): 152.4</td>
<td>Bottom (m): 19.2</td>
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<tr>
<td>from (m): to 20.7</td>
<td>Size: 0.01</td>
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<td>from (m): to</td>
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<table>
<thead>
<tr>
<th>Pump:</th>
<th>Testing:</th>
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</thead>
<tbody>
<tr>
<td>Model:</td>
<td>Intake (m): 14.0</td>
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<tr>
<td>Testing:</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm): 9.1</td>
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<tr>
<td>Drawdown (m): 2.7</td>
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Laboratory:

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

Remarks:

- Electric Log: No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 91.4 (m)
- **NPWL (m):** 42.7
- **Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Driven & Bentonite
- **from (m):** 34.8 to 35.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 31.4
- **Bottom (m):** 91.4

**Perforated How:** Hand Drill
- **from (m):** 61.0 to 89.3
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8
- **Time (minute):** 180.0
- **Level End (m):** 67.1
- **Drawdown (m):** 24.4
- **Intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
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- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

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**AEP Data:**
- **Elevation (AMSL) (m):** 727
- **AEP:** 357875
- **Licence No.:**
- **Easting:** 50,046.53
- **Northing:** 5,915,792.50
- **Date Started:** 21 May 91
- **Date Completed:** 22 May 91
**NW 16-051-02 W5M**

**Well Owner:** Borsos, Joe

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 727

**AEP:** 367212

**Licence No.:**

**Date Started:** 30 Sep 91

**Easting:** 50,046.53

**Northing:** 5,915,792.50

**Date Completed:** 01 Oct 91

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**General:**

- **Type of Work:** Reconditioned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 (m)
- **NPWL (m):** 52.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 63.1
- **Bottom (m):** 63.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 61.0
- **Bottom (m):** 103.6

**Perforated How:** Hand Drill

- **from (m):** 67.1 to 101.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:** Sub

- **Model:**
- **Intake (m):** 91.4

**Testing:**

- **Rate (lpm):** 18.2
- **Time (minute):** 240.0
- **Level End (m):** 79.2
- **Drawdown (m):** 26.5
- **Rec'd intake (m):** 91.4
- **Rec'd Rate (lpm):** 13.7

---

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
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- **Nitrite:**
- **Vanadium:**
- **TC:**
- **DIC:**
- **As:**
- **Barium:**
- **Phosphorus:**
- **Cadium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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**Transmissivity:** m³/day

**Storativity:**

**Aquifer Test:**

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

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**Printed on:** 20/98
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| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
02-19-051-02 W5M

Well Owner: Alta Env #1512e
Drilling Contractor: Alberta Environment

Well Number 06145
Elevation (AMSL) (m): 698
AEP: 412742
Licence No.: Easting: 47,890.45
Date Started: Northing: 5,915,886.50
Date Completed: 30 Sep 75

General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Monitoring
Completed Depth 30.5 (m)
NPWL (m): Verified NPWL (m):
Abandonment: 

Casing:
Type:
Depth (m): Bottom (m): 
OD (mm): Thickness (mm): 
Seal Type: to 

Liner:
Type:
OD (mm): Thickness (mm): 
Top (m): Bottom (m):
Perforated How: to Size:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm): from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to 

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium 
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance 
Fluoride Chromium Amm. Nitrogen 
Iron Cobalt Total Phosphate 
TOC Copper Total Alkalinity 
Silica Lead Nitrate&Nitrite N 

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number: 06146**

**Well Owner:** Palylyk, Mike  
**Drilling Contractor:** Aiken Basin Drilling Ltd.

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth (m):** 73.2  
- **Elevation (AMSL) (m):** 732  
- **Licence No.:** Easting: 51,164.20  
- **Date Started:** 29 Jun 94  
- **Drilling Contractor:** Northing: 5,917,062.50  
- **Date Completed:** 29 Jun 94  
- **Elevation (AMSL) (m):** 732

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<tr>
<th>Lithologic Description</th>
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<tr>
<td>Clay &amp; Rocks</td>
<td>21.3</td>
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<td>73.2</td>
<td>658.4</td>
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**Casing:**
- **Type:** Steel  
- **Depth (m):** 47.6  
- **Bottom (m):** 47.6  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Drive Shoe  
- **from (m):** 47.6  

**Liner:**
- **Type:** Drive Shoe  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 42.7  
- **Bottom (m):** 73.2  
- **Perforated How:** Hand Drill  
- **from (m):** 54.9 to 67.1  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):** 73.2  
- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):** 73.2  
- **Drawdown (m):** 33.5  
- **Rec'd intake (m):** 61.0  
- **Rec'd Rate (lpm):** 27.4  

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 106.4 m
- NPWL (m): 53.3
- Abandonment:
  - Casing:
    - Type: **Steel**
    - Depth (m): 66.4
    - Bottom (m): 66.4
    - OD (mm): 141.2
    - Thickness (mm): 6.4
    - Seal Type: **Driven**
      - from (m): 66.4
      - to 66.4
  - Liner:
    - Type: **Driven**
    - OD (mm): 114.3
    - Thickness (mm): 66.4
    - Top (m): Bottom (m): 105.5
    - Perforated How: **Torch**
      - from (m): 66.4
      - to 105.5
      - Size: 66.4
      - from (m): 66.4
      - to 66.4
      - Size: 66.4
  - Screen:
    - Material:
      - OD (mm):
        - from (m): to
        - Size: 66.4
        - from (m): to
        - Size: 66.4
    - Open Hole:
      - from (m): to
  - Pump:
    - Model:
    - Intake (m): 66.4
    - Rate (lpm): 16.0
    - Time (minute): 420.0
    - Level End (m): 71.6
    - Drawdown (m): 18.3
    - Rec’d intake (m): 66.4
    - Rec’d Rate (lpm): 66.4

### Laboratory:
- pH (pH unit): 6.10
- Cond. (µS/cm): 660.0
- TDS: 660.0
- Sodium: 660.0
- Nitrate: 660.0
- Potassium: 660.0
- Vanadium: 660.0
- Magnesium: 660.0
- Zinc: 660.0
- Carbonate: 660.0
- Bicarbonate: 660.0
- Calcium: 660.0
- Barium: 660.0
- Sulphate: 660.0
- Beryllium: 660.0
- Chloride: 660.0
- Cadmium: 660.0
- Fluoride: 660.0
- Iron: 660.0
- TOC: 660.0
- Silicon: 660.0
- Lead: 660.0
- Mercury: 660.0
- Nickel: 660.0
- Selenium: 660.0
- Nitrate: 660.0
- Strontium: 660.0
- Sodium: 660.0
- Nitrite: 660.0
- Molybdenum: 660.0
- Potassium: 660.0
- TN: 660.0
- Vanadium: 660.0
- Calcium: 660.0
- Magnesium: 660.0
- Zinc: 660.0
- DIC: 660.0
- Hydroxide: 660.0
- Arsenic: 660.0
- Total Hardness: 660.0
- Beryllium: 660.0
- Iron: 660.0
- Total Phosphate: 660.0
- Copper: 660.0
- Total Alkalinity: 660.0
- Lead: 660.0
- Nitrate: 660.0
- Nitrite: 660.0

### Electric Log:
- No
- Transmissivity: 660.0
- Gamma Log: Yes
- Storativity: 660.0
- Aquifer Test: No
- Project: 660.0
- Database: 660.0
- AEP Data: Yes
- Well Field Verified: 660.0

### Lithologic Description:
- Depth (m): 5.5
- Elevation (BGL) (m): 717.2
- Lithologic: Clay Yellow
- Type: 27
- Date: 660.0
- Water Well Positioned by PFRA in 10TM NAD 27

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 22-051-02 W5M**

**Well Number 06148**

**Well Owner:** Danard, Ralph  
**Drilling Contractor:** D&D Water Well Drilling & Services

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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 103.6 (m)  
- **NPWL (m):** 33.5  
- **Verified NPWL (m):**  

**Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 31.7  
- **Bottom (m):** 31.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap  
- **from (m):** to 31.7  

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 30.5  
- **Bottom (m):** 103.6  
- **Perforated How:** Other  
- **from (m):** 61.0 to 100.6  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):** 18.2  
- **Time (minute):** 360.0  
- **Level End (m):** 85.3  
- **Drawdown (m):** 51.8  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 13.7  

**Depth Elevation (BGL) (AMSL)**

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**Laboratory:**

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**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 06149**

**Well Owner:** Finnson, Daryl  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 110.9 (m)
- **NPWL (m):** 56.1  
  **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 40.2  
  **Bottom (m):** 40.2
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 40.2

### Liner:
- **Type:**
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 38.7  
  **Bottom (m):** 110.9
- **Perforated How:** Saw
  - **from (m):** to 61.0  
    **to:** 109.7
  - **Size:**
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to
  - **from (m):** to
  - **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 109.7
- **Rate (lpm):** 31.9  
  **Time (minute):** 120.0
- **Level End (m):** 91.4  
  **Drawdown (m):** 35.4
- **Rec'd intake (m):** 91.4  
  **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

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<th>Lithologic Description</th>
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**Well Completion Details**

- **Elevation (AMSL) (m):** 743  
  **AEP:** 396726
- **Date Started:** 23 Aug 94  
  **Easting:** 51,634.28
- **Date Completed:** 26 Aug 94  
  **Northing:** 5,916,310.50

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**Project:** Database: 1.000H

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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Owner: **Amyotte, Mike**  
Drilling Contractor: **D&D Water Well Drilling & Services**

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<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<td>Type of Work: <strong>New Well</strong></td>
<td>Lithologic Description</td>
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<td>Drilling Method: <strong>Rotary</strong></td>
<td>(m)</td>
</tr>
<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth 60.0 (m)</td>
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<tr>
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<td><strong>Pump</strong></td>
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<tr>
<td>Rec’d Rate (lpm):</td>
<td><strong>Rec’d Rate (lpm):</strong></td>
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### Laboratory:

- **pH (pH unit)**: COD  
- **Cond. (µS/cm)**: SAR  
- **TDS**: TKN  
- **Sodium**: Nitrate  
- **Potassium**: Nitrite  
- **Calcium**: TN  
- **Magnesium**: TC  
- **Carbonate**: DIC  
- **Bicarbonate**: Arsenic  
- **Aluminium**: Barium  
- **Sulphate**: Beryllium  
- **Chloride**: Cadmium  
- **Fluoride**: Chromium  
- **Iron**: Cobalt  
- **TOC**: Copper  
- **Silica**: Lead  

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 23-051-02 W5M**

**Well Owner:** Wier, Kirt  
**Drilling Contractor:** D&D Water Well Drilling & Services

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| Well Number: 06151 |

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 58.5 (m)  
**NPWL (m):** 31.7  
**Abandonment:**

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<td>42.1</td>
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**Seal Type:** Shale Trap & Bentonite from (m): to 42.1

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**Top (m):** 40.2  
**Bottom (m):** 58.5

**Perforated How:** Saw from (m): to 48.8  
**Size:** 57.9

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**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- ** Thickness (mm):** from (m): to Size:

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**Open Hole:** from (m): to

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**Pump:**
- **Electric Log:** No  
- **Gamma Log:** No

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<td>Shale Gray</td>
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**Testing:**
- **Rate (lpm):** 228.1  
- **Time (minute):** 120.0

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**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

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<tr>
<th>Material</th>
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</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**SE 23-051-02 W5M**

**Well Owner:** Young, Warren  

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 747  

**AEP:** 358445  

**Licence No.:**  

**Easting:** 54,376.87  

**Date Started:** 25 Jun 91  

**Northing:** 5,916,378.50  

**Date Completed:** 26 Jun 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 67.1 m  
- **NPWL (m):** 31.1  
- **Verified NPWL (m):**

### Abandonment:

### Casing:
- **Type:** Plastic  
- **Depth (m):** 37.8  
- **Bottom (m):** 37.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** 67.1  
- **to 37.8**

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 36.6  
- **Bottom (m):** 67.1  
- **Perforated How:** Other
  - **from (m):** 39.6  
  - **to 64.0**  
  - **Size:**
  - **from (m):**  
  - **to Size:**
  - **from (m):**  
  - **to Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):**  
  - **to Size:**
  - **from (m):**  
  - **to Size:**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 16.0  
- **Time (minute):** 180.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 29.9  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Sulfate:**
- **Chloride:**
- **Bicarbonate:**
- **Carbonate:**
- **Barium:**
- **Aluminum:**
- **Sulfate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Potassium:**
- **Nitrite:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **DIC:**
- **Arsenic:**
- **Strontium:**
- **Nitrate:**
- **Sodium:**
- **Nitrate:**
- **Molybdenum:**
- **Selenium:**
- **Vanadium:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Total Hardness:**
- **Total Hardness:**
- **TDS:**
- **Nitrate:**
- **Total Alkalinity:**
- **Calcium Magnesium Zinc Phosphate Sulphate Beryllium Phosphate Carbonate DIC Hydroxide Bicarbonate Arsenic Strontium Total Hardness Barium Manganese Sulphate Beryllium Phosphate Chloride Cadmium Ion Balance Fluoride Chromium Ammon. Nitrogen Iron Cobalt Total Phosphate TOC Copper Total Alkalinity Silicon Lead Nitrate & Nitrite

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** Yes

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
SW 23-051-02 W5M

Well Owner: Kotch, Dale
Drilling Contractor: Unknown Driller

Well Number 06153

Elevation (AMSL) (m): 751
AEP: 361684

Licence No.: 751
Date Started: 53,324.36
Northing: 5,916,105.50
Date Completed:

Well Use: Domestic

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 36.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm):
Thick (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Thick (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

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Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project:
AEP Data: Yes
Database: 1.000H
Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 24-051-02 W5M**

**Well Owner:** Eatock, Bill

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 742

**AEP:** 350689

**Licence No.:** Easting: 55,774.95

**Date Started:** 09 Mar 90

**Northing:** 5,917,311.00

**Date Completed:** 12 Mar 90

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 41.2
- **Verified NPWL (m):**
- **Abandonment:**

---

**Casing:**

- **Type:** Steel
- **Depth (m):** 49.7
- **Bottom (m):** 49.7
- **OD (mm):** 141.2
- **Thickmess (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 49.7

---

**Liner:**

- **Type:** Driven
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 49.7
- **Bottom (m):** 72.2
- **Perforated How:** Machine
- **from (m):** to 72.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

---

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

---

**Open Hole:**

- **from (m):** to

---

**Pump:**

- **Model:**
- **Intake (m):**

---

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 48.8
- **Drawdown (m):** 7.6
- **Rec'd intake (m):**

---

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphite:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**printed on 2/20/98**
**NW 25-051-02 W5M**

**Well Owner:** Davis, Don  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Elevation (AMSL) (m):** 755  
**AEP:** 386250  
**Licence No.:** 55.036.43  
**Date Started:** 04 Aug 94  
**Northing:** 5,918,909.50  
**Date Completed:** 08 Aug 94

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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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<td>Nitrate&amp;Nitrite N</td>
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**General:**
- **Type of Work:** Reconditioned
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 20.7 (m)
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to**

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**

**Open Hole:**
- **from (m):**
- **to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 240.0
- **Level End (m):** 17.7
- **Drawdown (m):** 11.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 25-051-02 W5M**

**Well Owner:** Somerville, Raymond  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 755  
**AEP:** 418199

**Date Started:** 28 Sep 95  
**Easting:** 55,036.43  
**Licence No.:** Easting: 55,036.43  
**Date Completed:** 29 Sep 95  
**Northing:** 5,916,909.50

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 84.7 (m)  
- **NPWL (m):** 56.1  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 59.4  
- **Bottom (m):** 59.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 59.4

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 57.9  
- **Bottom (m):** 84.7

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 84.7

### Testing:
- **Rate (lpm):** 36.5  
- **Time (minute):** 120.0

### Laboratory:

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<tr>
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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 26-051-02 W5M**

**Well Owner:** Leeder, Ken  
**Drilling Contractor:** D&D Water Well Drilling & Services

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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 106.7 (m)  
- **NPWL (m):** 51.8  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 80.2  
- **Bottom (m):** 80.2  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap  
- **from (m):** to 80.2

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 79.2  
- **Bottom (m):** 106.7  

### Screen:
- **Material:**  
- **from (m):** to  
- **from (m):** to  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** 45.6  
- **Time (minute):** 180.0  
- **Level End (m):** 73.2  
- **Drawdown (m):** 21.3  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 06159

General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 73.2 m
- **NPWL (m):** 43.9
- **Verified NPWL (m):**
- **Abandonment:**

Casing:

- **Type:** Plastic
- **Depth (m):** 56.1
- **Bottom (m):** 56.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 56.1

Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 73.2
- **Perforated How:** Other
- **from (m):** 62.5 to 73.2
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

Open Hole:

- **from (m):**

Pump:

- **Model:**
- **Intake (m):**

Testing:

- **Rate (lpm):** 31.9
- **Time (minute):** 180.0
- **Level End (m):** 54.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **DIC:**
- **Vanadium:**
- **PH:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 26-051-02 W5M**

**Well Owner:** Short, D  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

---

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 80.8 (m)  
- **NPWL (m):** 19.8  
- **Abandonment:**

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 64.6  
- **Bottom (m):** 64.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentoniti  
- **from (m):** 61.8 to 64.6

**Liner:**  
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 62.5  
- **Bottom (m):** 80.8  
- **Perforated How:** Saw  
- **from (m):** 67.1 to 76.2  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Screen:**  
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**  
- **from (m):** to

**Pump:** Sub  
- **Model:** Gould 7g05422  
- **Intake (m):** 61.0

**Testing:**  
- **Rate (lpm):** 182.4  
- **Time (minute):** 120.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 41.2  
- **Rec’d intake (m):** 47.2  
- **Rec’d Rate (lpm):**

---

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **SAR:**  
- **COD:**  
- **Mercury:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphorus:**  
- **Chloride:**  
- **Copernium:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL)**  
- **(m)**  
- **(m)**  
- **Lithologic Description**

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**Project:**  
- **Database:** 1.000H

**Remarks:**

- **Electric Log:** No  
- **Transmissivity:** m³/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 86.9 (m)
- **NPWL (m):** 47.2
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 57.3
  - **Bottom (m):** 57.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 54.0
- **to:** 66.0
- **NPWL (m):** 31.9
- **Verified NPWL (m):** 42.0
- **Level End (m):** 53.3
- **Drawdown (m):** 6.1
- **Rec’d intake (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Level End (m):** 53.3
- **Drawdown (m):** 6.1
- **Rec’d intake (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):** 53.3
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Other Chemical Constituents:**

### Electric Log:
- **No**
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Depth:**

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 06161

**Well Owner:** Coughlan, Brad

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 743

**AEP:** 364937

**Licence No.:**

**Date Started:** 15 Jun 92

**Date Completed:** 16 Jun 92

**Easting:** 53,443.01

**Northing:** 5,917,626.00

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 86.9 (m)
- **NPWL (m):** 47.2

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 57.3
- **Bottom (m):** 57.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 54.0
- **to:** 66.0

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 54.0
- **Bottom (m):** 86.0
- **Perforated How:** Saw
- **from (m):** 54.0
- **to:** 86.0

**Screen:**
- **Material:**
- **OD (mm):**
- **Thickness:**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 53.3

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 53.3
- **Drawdown (m):** 6.1
- **Rec’d intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Other Chemical Constituents:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 77.7 (m)
- **NPWL (m):** 15.9
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 59.4
- **Bottom (m):** 59.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 59.4
- **to 61.0**
- **Size:** 0.01
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

## Open Hole:
- **from (m):**
- **to**

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 53.3
- **Drawdown (m):** 37.5
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 18.2

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TN:**
- **TNK:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **TC:**
- **Hydroxide:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Bicarbonate:**
- **Barium:**
- **Manganese:**
- **Aluminum:**
- **Beryllium:**
- **Phosphate:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

---

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

### Water Well Information:
- **Well Number:** 06162
- **Well Owner:** Frye, Christian
- **Drilling Contractor:** McGinn, Gerald Drilling Ltd.
- **Elevation (AMSL) (m):** 743
- **AEP:** 399718
- **Licence No.:** Easting: 53,443.01
- **Date Started:** 06 Sep 94
- **Northing:** 5,917,626.00
- **Date Completed:** 08 Sep 94

## Lithologic Description:

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### Water Analysis:

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### Well Logs:
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
NE 27-051-02 W5M

Well Owner: Mactavish, Dan
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 734
Licence No.: 379460
Date Started: 14 Apr 94
Easting: 53101.67
Date Completed: 15 Apr 94
Northing: 5916606.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 82.0 (m)
NPWL (m): 55.2
Verified NPWL (m): 
Abandonment:

Casing:
Type: Plastic
Depth (m): 65.5
Bottom (m): 65.5
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): to 65.5

Liner:
Type: 
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 64.0
Bottom (m): 82.0
Perforated How: Saw
from (m): 70.1
to 79.2
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material: 
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump:
Model: 
Intake (m): 82.0

Testing:
Rate (lpm): 
Time (minute): 120.0
Level End (m): 55.2
Drawdown (m): 
Rec'd intake (m): 61.0
Rec'd Rate (lpm): 22.8

Laboratory:

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**Well Number: 06164**

**Well Owner:** Hutton, Rob (Sundance Valley)

**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m): 729**

**AEP:** 366226

**Licence No.:** Easting: 52,083.65

**Date Started:** 30 Aug 92

**Nortthing:** 5,917,651.50

**Date Completed:** 08 Sep 92

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 45.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 45.7
- **to:** 48.8

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 45.7
- **Bottom (m):** 91.4
- **Perforated How:** Saw
- **from (m):** 76.2
- **to:** 91.4
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Berkley 13st.
- **Intake (m):** 79.2

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 180.0
- **Level End (m):** 79.2
- **Drawdown (m):** 33.5
- **Rec’d Rate (lpm):**
- **Rec’d intake (m):**

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
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<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>DIC</td>
<td></td>
</tr>
<tr>
<td>TC</td>
<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 111.3 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
  - Depth (m):
  - OD (mm):
  - Thickness (mm):
  - Seal Type:
    - from (m):
    - to

**Liner:**
- Type:
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- Perforated How:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

**Open Hole:**
- from (m):
  - to

**Pump:**
- Model:
  - Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- silica
- pH (pH unit)
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Lead
- Nitrate
- Nitrite
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
- (BGL) (AMSL)
  - (m)
  - (m)

**Lithologic Description**
(No Lithologic Information Available)

**Database:**
- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Other Information:**
- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
Well Number: 06166

Well Owner:  Alta Env #1304e
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 715
AEP: 412743
Licence No.: Easting: 49,710.70
Date Started: Northing: 5,917,495.50
Date Completed: 01 Oct 74

General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Investigation
Completed Depth: 29.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
from (m):
to
from (m):
to

Screen:
Material:
OD (mm):
from (m):
to
from (m):
to
from (m):
to

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Lab:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminum:
Barium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:

- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

<table>
<thead>
<tr>
<th>Well Number: 06167</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Well Owner:</strong> Alta Env #1305e</td>
</tr>
<tr>
<td><strong>Elevation (AMSL) (m):</strong> 693</td>
</tr>
<tr>
<td><strong>Elevation (BGL) (m):</strong> 683.0</td>
</tr>
<tr>
<td><strong>Type of Work:</strong> Test Hole</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Investigation</td>
</tr>
</tbody>
</table>

| **Completed Depth:** 56.4 (m) |
| **NPWL** (m): Verified NPWL (m): |
| **Abandonment:** |

### Casing:

<table>
<thead>
<tr>
<th><strong>Depth (m):</strong></th>
<th><strong>Bottom (m):</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OD (mm):</strong></td>
<td><strong>Thickness (mm):</strong></td>
</tr>
<tr>
<td><strong>Seal Type:</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Liner:

| **OD (mm):** | **Thickness (mm):** |
| **Top (m):** | **Bottom (m):** |
| **Perforated How:** |

### Screen:

| **Material:** |
| **OD (mm):** | **Thickness (mm):** |
| **Top (m):** | **Bottom (m):** |

### Open Hole:

| **from (m):** | **to** |

### Pump:

| **Model:** |
| **Intake (m):** |

### Testing:

| **Rate (lpm):** | **Time (minute):** |
| **Level End (m):** | **Drawdown (m):** |
| **Rec'd intake (m):** | **Rec'd Rate (lpm):** |

## Laboratory:

| **pH (pH unit):** | **COD** |
| **Cond. (µS/cm):** | **SAR** |
| **TDS:** | **TKN** |
| **Sodium:** | **Nitrate** |
| **Potassium:** | **Nitrite** |
| **Calcium:** | **Selenium** |
| **Magnesium:** | **Vanadium** |
| **Carbonate:** | **Nitrate** |
| **Bicarbonate:** | **Sodium** |
| **Arsenic:** | **Barium** |
| **Aluminium:** | **Chromium** |
| **Sulphate:** | **Iron** |
| **Chloride:** | **Copper** |
| **Fluoride:** | **TOC** |
| **Beryllium:** | **Silica** |
| **Cadmium:** | **lead** |
| **Cadmium:** | **Nitrate&Nitrite** |

### Electric Log:

| **Transmissivity:** |
| **Gamma Log:** |
| **Aquifer Test:** |
| **Project:** |
| **Database:** |

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06168

**Well Owner:** Alta Env #1307e

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 687  
**AEP:** 412744  
**License No.:** 48,469.32  
**Date Started:**  49,617,827.00  
**Date Completed:** 05 Oct 74

### General:

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>Test Hole</th>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Unknown</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Investigation</td>
</tr>
<tr>
<td>Completed Depth:</td>
<td>61.0 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>Verified NPWL (m):</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
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</table>

### Casing:

<table>
<thead>
<tr>
<th>Type:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Seal Type:</td>
<td>to</td>
</tr>
</tbody>
</table>

### Liner:

<table>
<thead>
<tr>
<th>Type:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Perforated How:</td>
<td>to Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
</tbody>
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### Screen:

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<thead>
<tr>
<th>Material:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
</tbody>
</table>

### Open Hole:

| from (m): to |

### Pump:

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
</tr>
</thead>
</table>

### Testing:

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level End (m): Drawdown (m):</td>
<td></td>
</tr>
<tr>
<td>Rec’d intake (m): Rec’d Rate (lpm):</td>
<td></td>
</tr>
</tbody>
</table>

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

### Electric Log:

<table>
<thead>
<tr>
<th>Yes</th>
<th>Transmissivity:</th>
<th>m³/day</th>
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<tbody>
<tr>
<td>No</td>
<td>Storativity:</td>
<td></td>
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<td>No</td>
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<td>Project:</td>
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<td>AEP Data:</td>
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<td>Well Field Verified: No</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27.

**Printed on:** 2/20/98
## General:

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>Test Hole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method</td>
<td>Unknown</td>
</tr>
<tr>
<td>Well Use</td>
<td>Investigation</td>
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</tbody>
</table>

**Completed Depth** 79.2 (m)

NPWL (m): Verified NPWL (m):

Abandonment:

## Casing:

<table>
<thead>
<tr>
<th>Type:</th>
<th>Depth (m):</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Bottom (m):</td>
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<table>
<thead>
<tr>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tr>
<td></td>
<td>Bottom (m):</td>
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</table>

**Seal Type:**

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
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## Liner:

<table>
<thead>
<tr>
<th>Type:</th>
<th>OD (mm):</th>
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<tr>
<td></td>
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**Perforated How:**

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<th>to</th>
<th>Size:</th>
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<tbody>
<tr>
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<td>to</td>
<td>Size:</td>
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## Screen:

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<th>Material:</th>
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<th>Top (m):</th>
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</table>

## Open Hole:

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
</thead>
</table>

## Pump:

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
</tr>
</thead>
</table>

## Testing:

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tbody>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

## Laboratory:

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<th>pH (pH unit):</th>
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<th>Mercury</th>
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<td>Amm. Nitrogen</td>
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<td>Iron:</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica:</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

## Depth Elevation

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.8</td>
<td>715.2</td>
<td>Silt Lacustrine Brown</td>
</tr>
<tr>
<td>19.5</td>
<td>697.5</td>
<td>Clay Lacustrine Gray</td>
</tr>
<tr>
<td>23.2</td>
<td>693.8</td>
<td>Silt Sandy Gray</td>
</tr>
<tr>
<td>45.7</td>
<td>671.3</td>
<td>Sand Lacustrine Gray</td>
</tr>
<tr>
<td>51.2</td>
<td>665.8</td>
<td>Gravel Preglacial</td>
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<tr>
<td>66.8</td>
<td>650.2</td>
<td>Siltstone Hard Gray</td>
</tr>
<tr>
<td>68.6</td>
<td>648.4</td>
<td>Sandstone Fine Grained Gray</td>
</tr>
<tr>
<td>70.1</td>
<td>646.9</td>
<td>Shale &amp; Siltstone Hard Gray</td>
</tr>
<tr>
<td>76.2</td>
<td>640.8</td>
<td>Sandstone Fine Grained Gray</td>
</tr>
<tr>
<td>79.2</td>
<td>637.7</td>
<td>Siltstone Hard Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** Yes  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**NW 32-051-02 W5M**

**Well Number:** 06170

**Well Owner:** Strand, Dan

**Drilling Contractor:** Rodco Drilling

**Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>46.9</td>
<td>676.0</td>
<td>Clay Sandy</td>
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<td>48.8</td>
<td>674.2</td>
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</tr>
<tr>
<td>58.5</td>
<td>664.4</td>
<td>Shale</td>
</tr>
<tr>
<td>60.4</td>
<td>662.6</td>
<td>Shale Sandy</td>
</tr>
<tr>
<td>68.6</td>
<td>654.4</td>
<td>Shale</td>
</tr>
<tr>
<td>69.5</td>
<td>653.5</td>
<td>Sandstone</td>
</tr>
<tr>
<td>70.1</td>
<td>652.8</td>
<td>Shale</td>
</tr>
</tbody>
</table>

**General**

- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 70.1 m
- NPWL (m): 36.6
- Verified NPWL (m):
- Abandonment:

**Casing**

- Type: Steel
- Depth (m): 50.3
- Bottom (m): 50.3
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 50.3

**Liner**

- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 48.2
- Bottom (m): 65.5
- Perforated How: Machine
- from (m): 65.5 to 59.4
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

**Screen**

- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

**Open Hole**

- from (m): to

**Pump**

- Model: Sub
- Intake (m): 54.9
- Rate (lpm): 18.2
- Time (minute): 120.0
- Level End (m): 50.3
- Drawdown (m): 13.7
- Rec'd intake (m): 54.9
- Rec'd Rate (lpm): 18.2

**Laboratory**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
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<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 74.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Chemical Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number: 06171**

- **Well Owner:** Alta Env #1308e
- **Drilling Contractor:** Alberta Environment

| Elevation (AMSL) (m): | 742 |
| AEP: | 412747 |
| Licence No.: | 51,409.81 |
| Date Started: | 06 Oct 74 |
| Northing: | 5,919,140.50 |

### Depth Elevation (BGL) (AMSL):

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>5.2</td>
<td>737.2</td>
<td>Clay Lacustrine Brown</td>
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<tr>
<td>10.7</td>
<td>731.8</td>
<td>Silt Soft Brownish Gray</td>
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<tr>
<td>15.2</td>
<td>727.2</td>
<td>Silt Soft Dark Gray</td>
</tr>
<tr>
<td>24.4</td>
<td>718.0</td>
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<tr>
<td>31.1</td>
<td>711.3</td>
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<td>31.7</td>
<td>710.7</td>
<td>Till &amp; Gravel</td>
</tr>
<tr>
<td>38.1</td>
<td>704.3</td>
<td>Silt Hard Dark Gray</td>
</tr>
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<td>52.7</td>
<td>689.7</td>
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<tr>
<td>61.6</td>
<td>680.9</td>
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<tr>
<td>65.5</td>
<td>676.9</td>
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</tr>
<tr>
<td>66.4</td>
<td>676.0</td>
<td>Sandstone Hard Gray</td>
</tr>
<tr>
<td>68.6</td>
<td>673.8</td>
<td>Shale &amp; Siltstone Hard Gray</td>
</tr>
<tr>
<td>70.1</td>
<td>672.3</td>
<td>Sandstone Hard Gray</td>
</tr>
<tr>
<td>74.7</td>
<td>667.8</td>
<td>Shale &amp; Siltstone Hard Gray</td>
</tr>
</tbody>
</table>

### Electric Log:
- Yes

### Gamma Log:
- Yes

### Aquifer Test:
- No

### Database:
- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No
**NE 34-051-02 W5M**

**Well Owner:** Hruschak, Henry  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number</th>
<th>06172</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m):</td>
<td>738</td>
</tr>
<tr>
<td>AEP:</td>
<td>396729</td>
</tr>
<tr>
<td>Licence No.:</td>
<td>Easting: 52,995.88</td>
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<tr>
<td>Date Started:</td>
<td>Northing: 5,920,558.50</td>
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<tr>
<td>Date Completed:</td>
<td>10 May 94</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 14.0  
  **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 57.9  
  **Bottom (m):** 57.9
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:** from (m): to
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to 
  **Size:**
- **from (m):** Size:
- **from (m):** Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 57.9 to 59.4
- **Size:** 0.01
- **from (m):** to
- **Thickness (mm):**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m): 47.2

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** Drawdown (m): 31.7
- **Rec'd intake (m):** Rec'd Rate (lpm): 22.8

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

<table>
<thead>
<tr>
<th>Material</th>
<th>pH</th>
<th>SAR</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Nitrate</td>
<td>TDS</td>
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<td>Selenium</td>
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<td>Strontium</td>
<td>Potassium</td>
<td></td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Vanadium</td>
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<td>Zinc</td>
<td>Magnesium</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Al</td>
<td>Bicarbonate</td>
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<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Beryllium</td>
<td>Aluminum</td>
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<td>Barium</td>
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<td>Phosphate</td>
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<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Ion Balance</td>
<td>Chloride</td>
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<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
<td>Fluoride</td>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
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<td>Cobalt</td>
<td>Total Phosphate</td>
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<td>Total Alkalinity</td>
<td>TOC</td>
<td></td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Nitrate &amp; Nitrite</td>
<td>Silica</td>
<td></td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 35-051-02 W5M**

**Well Owner:** Kisp, Roger  
**Drilling Contractor:** Double R Drlg

<table>
<thead>
<tr>
<th>General</th>
<th>Well Number 06173</th>
</tr>
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<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>Elevation (AMSL) (m): <strong>734</strong></td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td><strong>AEP:</strong> 359858</td>
</tr>
<tr>
<td>Well Use: <strong>Domestic</strong></td>
<td>Licence No.:</td>
</tr>
<tr>
<td>Completed Depth 80.5 (m)</td>
<td>Date Started: 04 Sep 91</td>
</tr>
<tr>
<td>NPWL (m): 42.7</td>
<td>Date Completed: 06 Sep 91</td>
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<tr>
<td>Abandonment:</td>
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<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
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<tbody>
<tr>
<td>Type: <strong>Plastic</strong></td>
<td>Depth (m): 65.2</td>
</tr>
<tr>
<td>OD (mm): 152.4</td>
<td>Bottom (m): 65.2</td>
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<tr>
<td>Thickness (mm):</td>
<td></td>
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<tr>
<td>Seal Type: <strong>Shale Trap</strong></td>
<td>Depth (m): 65.2</td>
</tr>
<tr>
<td>from (m): to 65.2</td>
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<table>
<thead>
<tr>
<th>Liner:</th>
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<tbody>
<tr>
<td>Type:</td>
<td>OD (mm): 101.6</td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td>0.1</td>
</tr>
<tr>
<td>Top (m): 64.3</td>
<td>Bottom (m): 80.5</td>
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<tr>
<td>Perforated How: <strong>Machine</strong></td>
<td></td>
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<tr>
<td>from (m): to 80.5</td>
<td>Size:</td>
</tr>
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<td>from (m): to Size:</td>
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<tr>
<td>from (m): to Size:</td>
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</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<thead>
<tr>
<th>Open Hole:</th>
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<table>
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<tr>
<th>Pump:</th>
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<tbody>
<tr>
<td>Model:</td>
<td>Intake (m): 63.4</td>
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<table>
<thead>
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<th>Testing:</th>
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<tbody>
<tr>
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<td>Time (minute): 300.0</td>
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<tr>
<td>Level End (m): 63.4</td>
<td>Drawdown (m): 20.7</td>
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<tr>
<td>Rec’d intake (m):</td>
<td>Rec’d Rate (lpm): 27.4</td>
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<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit):</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS:</td>
<td>TKN</td>
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<td>Bicarbonate:</td>
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<td>Sulphate:</td>
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</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica:</td>
<td>Lead</td>
</tr>
</tbody>
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**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2</td>
<td>721.8</td>
<td>Clay &amp; Rocks</td>
</tr>
<tr>
<td>18.3</td>
<td>715.7</td>
<td>Till See Comments</td>
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<tr>
<td>22.9</td>
<td>711.1</td>
<td>Till</td>
</tr>
<tr>
<td>24.4</td>
<td>709.6</td>
<td>Till &amp; Rocks</td>
</tr>
<tr>
<td>29.0</td>
<td>705.1</td>
<td>Till Sandy</td>
</tr>
<tr>
<td>36.6</td>
<td>697.4</td>
<td>Sand &amp; Coal Gray</td>
</tr>
<tr>
<td>41.2</td>
<td>692.9</td>
<td>Till</td>
</tr>
<tr>
<td>41.8</td>
<td>692.2</td>
<td>Till &amp; Rocks</td>
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<td>44.2</td>
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<td>50.3</td>
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<td>70.1</td>
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<td>74.7</td>
<td>659.3</td>
<td>Sand &amp; Shale Gray</td>
</tr>
<tr>
<td>76.2</td>
<td>657.8</td>
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<td>77.4</td>
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<td>79.8</td>
<td>654.2</td>
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<td>80.5</td>
<td>653.5</td>
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<th>Transmissivity:</th>
<th>m²/day</th>
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<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<td>Aquifer Test: No</td>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**
Well Number: 06174

Well Owner: Clark, Perry

Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 738

AEP: 353009

Licence No.: Easting: 53,620.77

Date Started: 06 Nov 90

Nothng: 5,919,541.50

Date Completed: 07 Nov 90

General:

Type of Work: New Well

Drilling Method: Rotary

Well Use: Domestic

Completed Depth: 85.3 (m)

NPWL (m): 45.7

Verified NPWL (m):

Abandonment:

Casing:

Type: Plastic

Depth (m): 55.2

Bottom (m): 55.2

OD (mm): 152.4

Thickness (mm): 0.1

Seal Type: Welded Ring

from (m): to 55.2

Liner:

Type:

OD (mm): 114.3

Thickness (mm): 0.1

Top (m): 54.3

Bottom (m): 85.3

Perforated How: Other

from (m): 67.1 to 85.3

Size:

from (m): to Size:

from (m): to Size:

Screen:

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

Open Hole:

from (m): to

Pump:

Model:

Intake (m):

Testing:

Rate (lpm): 68.4

Time (minute): 180.0

Level End (m): 67.1

Drawdown (m): 21.3

Rec’d intake (m):

Rec’d Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury

Cond. (µS/cm) SAR Nickel

TDS TKN Selenium

Sodium Nitrate Strontium

Potassium Nitrite Molybdenum

Calcium TN Vanadium

Magnesium TC Zinc

Carbonate DIC Hydroxide

Bicarbonate Arsenic Total Hardness

Aluminum Barium Manganese

Sulphate Beryllium Phosphate

Chloride Cadmium Iron Balance

Fluoride Chromium Amm. Nitrogen

Iron Cobalt Total Phosphate

TOC Copper Total Alkalinity

Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No

Transmissivity: m³/day

Gamma Log: No

Storativity:

Aquifer Test: No

Project:

Database: 1,000 H

AEP Data: Yes

Well Field Verified: No

print on 2/20/98
**General:**
- **Well Owner:** Crowell, Trevor
- **Drilling Contractor:** Unknown Driller
- Elevation (AMSL) (m): **740**
- AEP: **361685**
- Licence No.: **E**: **740**
- Date Started: **53,735.50**
- Date Completed: **5,919,492.50**

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<tbody>
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<td></td>
<td></td>
<td>(No Lithologic Information Available)</td>
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**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Drilled by:** AEP Data: Yes  Well Field Verified: No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 39.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 46.0
  - **Bottom (m):** 46.0
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 44.2 to 46.0

**Liner:**

- **Type:**
  - OD (mm): 127.0
    - Thickness (mm): 0.1
  - Top (m): 42.7
    - Bottom (m): 61.0
- **Perforated How:** Machine
  - from (m): 48.8 to 54.9
    - **Size:**
  - from (m): to
    - **Size:**
  - from (m): to
    - **Size:**

**Screen:**

- **Material:**
  - OD (mm):
    - from (m): to
    - **Size:**
  - from (m): to
    - **Size:**

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**
  - **Intake (m):** 48.8

**Testing:**

- **Rate (lpm):** 91.2
  - **Time (minute):** 300.0
- **Level End (m):** 48.8
  - **Drawdown (m):** 9.1
- **Rec'd intake (m):** 48.8
  - **Rec'd Rate (lpm):** 68.4

**Laboratory:**

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
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<td>Zinc</td>
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<tr>
<td>Carbonate</td>
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<td>Bicarbonate</td>
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<td>Total Hardness</td>
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<td>Aluminum</td>
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<td>Chromium</td>
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<td>Iron</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
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</tbody>
</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>m</th>
<th>m</th>
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<tbody>
<tr>
<td>Clay Brown</td>
<td>4.3</td>
<td>733.7</td>
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<td>Till &amp; Clay Gray</td>
<td>9.1</td>
<td>728.8</td>
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<td>Sand Clayey Brown</td>
<td>11.0</td>
<td>727.0</td>
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<td>Till &amp; Clay Gray</td>
<td>40.2</td>
<td>697.7</td>
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<td>Shale Gray</td>
<td>44.2</td>
<td>693.8</td>
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<td>Shale Light Green</td>
<td>47.2</td>
<td>690.7</td>
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<td>Siltstone Gray</td>
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<td>Limestone Light Brown</td>
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<td>Sandstone Gray</td>
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<td>683.1</td>
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<tr>
<td>Shale Gray</td>
<td>61.0</td>
<td>677.0</td>
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</tbody>
</table>

**Electric Log:** No  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **TOC:**
**Project:** Database: 1.000H  **Lead Nitrate & Nitrite NS**

**AEP Data:** Yes  **Well Field Verified:** No

- Printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock

### Casing:
- **Type:** Plastic
- **Depth (m):** 53.6
- **Bottom (m):** 53.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** to 53.6

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 52.4
- **Bottom (m):** 91.4
- **Perforated How:** Other
- **from (m):** 73.2 to 91.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** Plastic
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 75.6

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 240.0
- **Level End (m):** 67.1
- **Drawdown (m):** 15.2
- **Rec'd Rate (lpm):** 75.6
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:***
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Aquifer Test:**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**SW 35-051-02 W5M**

**Well Number:** 06178

**Well Owner:** Sidwell, Wayne

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 743

**AEP:** 369449

**Licence No.:** Easting: 53,868.95

**Date Started:** 17 May 93

**Northing:** 5,919,848.50

**Date Completed:** 21 May 93

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 47.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 54.6
- **Bottom (m):** 54.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 53.0 to 54.6

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 51.8
- **Bottom (m):** 67.1
- **Perforated How:** Saw
- **from (m):** 57.9 to 65.5
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:

- **from (m):**

### Pump:

- **Model:** Gould 7g05422
- **Intake (m):** 57.9

### Testing:

- **Rate (lpm):** 18.2
- **Time (minute):** 420.0
- **Level End (m):** 57.9
- **Drawdown (m):** 10.1
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:

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<th>COD</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Sodium</td>
<td>Strontium</td>
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<td>Lead</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
Well Number 06179

Well Owner: Ball, David J.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 749
AEP: 356874
Licence No.: Easting: 55,625.04
Date Started: Northing: 5,920,255.50
Date Completed: 

General:
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic

Completed Depth (m):
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
- Type:
- Depth (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m):

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m):
- to
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Chloride:
- Sulphate:
- Lead:
- Iron:
- TOC:
- Silica:

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NE 08-051-03 W5M**

**Well Owner:** Ford, Dale  
**Drilling Contractor:** Unknown Driller

**Well Number:** 06185  
**Elevation (AMSL) (m):** 727  
**AEP:** 361686  
**Licence No.:**  39,464.86  
**Date Started:**  
**Northing:** 5,913,302.00  
**Date Completed:**

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<td>(m) (m)</td>
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<td>Completed Depth 8.5 (m)</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<td>from (m):</td>
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<td>from (m):</td>
<td>to</td>
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<td>Pump:</td>
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<td>Model:</td>
<td>Intake (m):</td>
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<td>Testing:</td>
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<tr>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<td>Level End (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
**NW 17-051-03 W5M**

**Well Owner:** Wagner, Albert  
**Drilling Contractor:** D&D Water Well Drilling & Services

<table>
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<th>Elevation (AMSL) (m):</th>
<th>738</th>
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<td>Date Started:</td>
<td>29 Jun 92</td>
<td>Northing:</td>
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<tr>
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<td>29 Jun 92</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 43.3 (m)  
- **NPWL (m):** 11.9  
- **Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 29.3  
- **Bottom (m):** 29.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite
- **from (m):** to 29.3

**Liner:**
- **Type:**
  - OD (mm): 114.3  
  - Thickness (mm): 0.1
- **Top (m):** 28.0  
- **Bottom (m):** 43.3

**Perforated How:** Other
- **from (m):** 29.9 to 42.7  
- **Size:**

**Screen:**
- **Material:**
  - OD (mm):  
  - Thickness (mm): 0.1
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 91.2  
- **Time (minute):** 240.0
- **Level End (m):** 21.3  
- **Drawdown (m):** 9.4
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury
- **Cond. (µS/cm):** SAR  
- **Nickel:**
- **TDS:** TKN  
- **Selenium:**
- **Sodium:** Nitrate  
- **Strontium:**
- **Potassium:** Nitrite  
- **Molybdenum:**
- **Calcium:** TN  
- **Vanadium:**
- **Magnesium:** TC  
- **Zinc:**
- **Carbonate:** DIC  
- **Hydroxide:**
- **Bicarbonate:** Arsenic  
- **Total Hardness:**
- **Aluminum:** Barium  
- **Manganese:**
- **Sulphate:** Beryllium  
- **Phosphate:**
- **Chloride:** Cadmium  
- **Ion Balance:**
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**
- **Iron:** Cobalt  
- **Total Phosphate:**
- **TOC:** Copper  
- **Total Alkalinity:**
- **Silica:** Lead  
- **Nitrate&Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
Well Number: 06188

**Elevation (AMSL) (m):** 742  
**AEP:** 366581  
**Date Started:** 07 Oct 92  
**Date Completed:** 07 Oct 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth (m):** 36.6  
- **NPWL (m):** 7.0  
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic  
  - **Depth (m):** 19.5  
  - **Bottom (m):** 19.5  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Shale Trap & Bentonite  
  - **from (m):** to 19.5

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 18.3  
- **Bottom (m):** 36.6  
- **Perforated How:** Saw  
- **from (m):** to 36.6  
- **size:**
- **from (m):** to size:
- **from (m):** to size:

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to size:
- **from (m):** to size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 18.3  
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 13.7  
- **Drawdown (m):** 6.7  
- **Rec’d intake (m):** 13.7  
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Selenium:**  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate & Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:
- **Aquifer Test:** No  
- **Project:** Database: 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 21-051-03 W5M**

**Well Owner:** Abma, Diane  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<tr>
<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth: 52.7 (m)</td>
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<tr>
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<tbody>
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<td>Depth (m): 18.6</td>
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<tr>
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<tr>
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<tr>
<td>Thickness (mm): 0.1</td>
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<th>Liner:</th>
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<tbody>
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<tr>
<td>to 51.8</td>
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<td>from (m): to</td>
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<th>Screen:</th>
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</tr>
<tr>
<td>from (m): to</td>
</tr>
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<td>from (m): to</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
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<td>from (m): to</td>
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<tr>
<th>Pump:</th>
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<tr>
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<td>Rec'd Rate (lpm): 22.8</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<th>Lithologic Description</th>
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<td>Clay Sandy Yellow</td>
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<tr>
<td>Sand &amp; Gravel</td>
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<td>Shale Gray</td>
</tr>
<tr>
<td>Shale &amp; Coal Brown</td>
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<tr>
<td>Shale Green</td>
</tr>
<tr>
<td>Shale Gray</td>
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<tr>
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<tr>
<td>Plastic</td>
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<tr>
<td>Coal</td>
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<tr>
<td>Shale Trap &amp; Bentonite</td>
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<tr>
<td>Sandstone</td>
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<tr>
<td>Shale Trap &amp; Bentonite</td>
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<td>AEP Data: Yes</td>
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<td>Well Field Verified: No</td>
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Printed on 2/20/98
## General:
- **Type of Work:** Reconditioned
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 41.2
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 33.2
  - **Bottom (m):** 33.2
- **OD (mm):** 139.7
  - ** Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 33.2

## Liner:
- **Type:**
  - **OD (mm):** 114.3
    - **Thickness (mm):** 0.1
  - **Top (m):** 30.5
    - **Bottom (m):** 73.2
- **Perforated How:** Machine
  - **from (m):** 42.7 to 44.2
  - **Size:**
  - **from (m):** 48.8 to 54.9
  - **Size:**
  - **from (m):** 61.0 to Size:

## Screen:
- **Material:** St
  - **OD (mm):** 1.0
  - from (m): 58.8 to 68.0
    - **Size:** 0.01
  - from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 61.0

## Testing:
- **Intake Rate (lpm):** 68.4
  - **Time (minute):** 120.0
- **Level End (m):** 57.9
  - **Drawdown (m):** 16.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

## Electric Log:
- **No**

## Gamma Log:
- **No**

## Aquifer Test:
- **No**

## Project:
- **Database:** 1.000H

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06190

**Well Owner:** Marrolyn Farm

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 737
**AEP:** 357294
**Licence No.:** Easting: 40,271.82
**Date Started:** 09 May 91
**Northing:** 5,818,465.50
**Date Completed:** 12 Dec 91
### NW 29-051-03 W5M

**Well Number:** 06191

**Well Owner:** Porter Farms

**Drilling Contractor:** Summers, David Drilling

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 59.4 (m)
- **NPWL (m):** 41.5
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 31.1
- **Bottom (m):** 31.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 31.1

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 59.4

**Perforated How:** Saw

- **from (m):** 33.5 to 59.4
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):**

**Pump:** Sub

- **Model:**
- **Intake (m):** 54.9

**Testing:**

- **Rate (lpm):** 15.1
- **Time (minute):** 250.0
- **Level End (m):** 53.6
- **Drawdown (m):** 11.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 13.7

---

**Lithologic Description**

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<th>Elevation (AMSL) (m)</th>
<th>Lithologic Description</th>
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<td>726.7</td>
<td>Clay Brown</td>
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<tr>
<td>22.9</td>
<td>709.9</td>
<td>Clay Blue</td>
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<td>29.0</td>
<td>703.9</td>
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<tr>
<td>59.4</td>
<td>673.4</td>
<td>Shale Brown</td>
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**Laboratory:**

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<th>Analysis</th>
<th>Unit</th>
<th>Value</th>
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<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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<tr>
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<td>Chloride</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<td>TOC</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
SW 30-051-03 W5M
Well Owner: Porter, Keith/Porter Ranches
Drilling Contractor: Kap'S Drilling Ltd.

Well Number 06192
Elevation (AMSL) (m): 742
AEP: 365310
Licence No.: Easting: 37,624.43
Date Started: 12 Jun 92
No.:
Northing: 5,917,594.00
Date Completed: 12 Jun 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth 79.2 (m)
NPWL (m): 39.6 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 55.8 Bottom (m): 55.8
OD (mm): 141.2 Thickness (mm): 0.2
 SEAL Type: Driven from (m): to 55.8

Liner:
Type: Driven
OD (mm): 88.9 Thickness (mm): 0.1
Top (m): 55.5 Bottom (m): 79.2
Perforated How: Saw from (m): 56.1 to 79.2 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 54.9

Testing:
Rate (lpm): 41.1 Time (minute): 480.0
Level End (m): Drawdown (m): 9.1
Rec'd Rate (lpm): Rec'd intake (m): 54.9

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 31-051-03 W5M**

**Well Owner:** Semonis, Marcel  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Elevation (AMSL) (m):** 741  
**AEP:** 404850  
**Licence No.:**  
**Easting:** 36,499.80  
**Date Started:** 15 Nov 94  
**Northing:** 5,919,463.00  
**Date Completed:** 15 Nov 94  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 70.4 m  
- **NPWL (m):** 39.6  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Casing:**  
  - **Type:** Plastic  
  - **Depth (m):** 47.9  
  - **Bottom (m):** 47.9  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
  - **from (m):** to 47.9  

### Liner:
- **Type:**  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Top (m):** 46.3  
  - **Bottom (m):** 70.4  

### Perforated How:
- **from (m):** to 70.4  
  - **Size:**  
- **from (m):** to  
  - **Size:**  
- **from (m):** to  
  - **Size:**  

### Screen:
- **Material:**  
  - **OD (mm):**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
  - **Intake (m):** 70.4  

### Testing:
- **Rate (lpm):** 16.0  
  - **Time (minute):** 120.0  
- **Level End (m):** 62.2  
  - **Drawdown (m):** 22.6  
- **Rec'd intake (m):** 64.0  
  - **Rate (lpm):** 9.1  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27
**NW 33-051-03 W5M**

**Well Owner:** Engelhardt, Delmar  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 97.5 m  
- **NPWL (m):** 64.9  
- **Elevation (AMSL) (m):** 749  
- **Licence No.:** Easting: 40,278.96  
- **Date Started:** 30 Dec 91  
- **Drilling Contractor:** Northing: 5,920.268.50  
- **Date Completed:** 02 Jan 92

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 48.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 48.8

**Liner:**  
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 47.6  
- **Bottom (m):** 97.5  
- **Perforated How:** Other  
- **from (m):** to 94.5  
- **Size:**

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **Open Hole:**
  - **from (m):** to

**Pump:**  
- **Model:**  
- **Intake (m):**

**Testing:**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 240.0

**Level End (m):** 85.3  
**Drawdown (m):** 20.4  
**Rec'd intake (m):**  
**Rec'd Rate (lpm):** 22.8

---

**Laboratory:**

<table>
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<th>Chemical Constituents</th>
<th>Value</th>
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<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>Molybdenum</td>
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<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>3.4</td>
<td>745.8</td>
<td>Clay Sandy Yellow</td>
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<td>6.7</td>
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<td>9.1</td>
<td>740.0</td>
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<td>35.7</td>
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<td>Shale Greenish Gray</td>
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<td>Shale Gray</td>
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<td>86.6</td>
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<td>87.2</td>
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<td>Shale &amp; Coal Brown</td>
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<td>94.2</td>
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<td>94.8</td>
<td>654.3</td>
<td>Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>97.5</td>
<td>651.6</td>
<td>Shale Green</td>
</tr>
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</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SW 34-051-03 W5M**

**Well Owner:** Wagner, Ida  
Drilling Contractor: Unknown Driller

**Well Number:** 06195  
**Elevation (AMSL) (m):** 720  
**AEP:** 418426  
**Date Started:**  
**Easting:** 42,289.77  
**Date Completed:**  
**Northing:** 5,919,634.50

---

**General:**

- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic  
- **Completed Depth:** 37.8 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to

**Liner:**

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):** Bottom (m):  

**Perforated How:**

- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

**Screen:**

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **Open Hole:**

- **Model:**  
- **Intake (m):**

**Testing:**

- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**

**Drawdown (m):**  
**Rec’d intake (m):**

**Laboratory:**

- **20 Nov 80**

- **pH (pH unit):** 8.00  
- **COD:** Mercury  
- **Cond. (µS/cm):** 1301  
- **SAR:** Nickel  
- **TDS:** 745.0  
- **TKN:** Selenium  
- **Sodium:** 243.11  
- **Nitrate:** Strontium  
- **Potassium:** 2.35  
- **Nitrite:** Molybdenum  
- **Calcium:** 15.03  
- **TN:** Vanadium  
- **Magnesium:** 4.99  
- **TC:** Zinc  
- **Carbonate:**  
- **DIC:** Hydroxide  
- **Bicarbonate:** 751.03  
- **Arsenic:** Total Hardness 58.00  
- **Aluminium:** Barium  
- **Manganese:**  
- ** Sulphate:** 109.03  
- **Beryllium:** Phosphate  
- **Chloride:** Cadmium  
- ** Ion Balance:** 0.81  
- **Fluoride:** 0.10  
- **Chromium:** Amm. Nitrogen  
- **Iron:** 3.00  
- **Cobalt:** Total Phosphate  
- **TOC:** Copper  
- **Total Alkalinity:** 616.0  
- **Silica:** 12.30  
- **Lead:** Nitrate & Nitrite

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 47.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Casings:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
    - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:
- **Screen:**
  - **Material:**
    - **OD (mm):**
      - from (m): to Size:
      - from (m): to Size:
- **Open-Hole:**
  - from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
    - **Time (minute):**
  - **Level End (m):**
    - **Drawdown (m):**
  - **Rec’d intake (m):**
    - **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
  - **Cond. (µS/cm):** SAR
  - **TDS:** TKN
  - **Sodium:** Nitrate
  - **Potassium:** Nitrite
  - **Calcium:** TN
  - **Magnesium:** TC
  - **Carbonate:** DIC
  - **Bicarbonate:** Arsenic
  - **Aluminum:** Barium
  - **Sulphate:** Beryllium
  - **Chloride:** Cadmium
  - **Fluoride:** Chromium
  - **Iron:** Cobalt
  - **TOC:** Copper
  - **Silica:** Lead

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Depth Elevation (BGL) (AMSL) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>716.6</td>
<td>Sand &amp; Till Soft Brownish Gray</td>
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<tr>
<td>6.1</td>
<td>713.6</td>
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<td>7.3</td>
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<td>19.5</td>
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<td>23.8</td>
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<td>Silt Sandy Gray</td>
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<td>28.4</td>
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<td>Siltstone Hard Dark Gray</td>
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<td>29.0</td>
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<td>47.2</td>
<td>672.4</td>
<td>Siltstone Hard Black</td>
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</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number 06196**

**Well Owner:** Alta Env #1188e

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 720

**AEP:** 412749

**Licence No.:** Easting: 43,616.20

**Date Started:** Northing: 5,920,446.50

**Date Completed:** 29 May 74

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Kaiser, Walter

Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 06197

Elevation (AMSL) (m): 686
Licence No.: Easting: 45,006.23
Date Started: 14 Aug 93 Northing: 5,819,397.00
Date Completed: 16 Aug 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 70.4 (m)
NPWL (m): 32.3 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 42.1 Bottom (m): 42.1
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Welded
from (m): 2.7 to 42.1

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 40.8 Bottom (m): 70.4
Perforated How: Saw
from (m): 50.3 to 67.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 70.4

Testing:
Rate (lpm): 41.1 Time (minute): 240.0
Level End (m): 46.0 Drawdown (m): 13.7
Rec'd intake (m): 45.7 Rec'd Rate (lpm): 31.9

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**Water Well Positioned by PFRA in 10TM NAD 27**

### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 65.5 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m): to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:** Yes Well Field Verified: No

### Lithologic Description:
- **Depth (m)**
- **Elevation (BGL) (m):**
- **Lithologic Description**
  - 7.6 660.7 Clay Soft Dark Brown
  - 17.1 651.2 Silt Hard Gray
  - 20.4 647.9 Sandstone Gray
  - 21.0 647.3 Shale & Coal Hard Black
  - 24.4 643.9 Silt Hard Dark Gray
  - 34.1 634.2 Silt Sandy Dark Gray
  - 51.2 617.1 Sand & Coal Silty
  - 62.5 605.8 Siltstone Hard Gray
  - 64.6 603.7 Sandstone Bentonitic Gray
  - 65.5 602.8 Siltstone Hard Gray

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number: 06199**

**Well Owner:** Vissia, Mike  
**Drilling Contractor:** Summers, David Drilling

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<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<td>(m)</td>
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<td>Rec'd Rate (lpm): 9.1</td>
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**Laboratory:**

- **pH (pH unit):** COD (mg/l)  
- **Cond. (µS/cm):** Mercury (ppm)  
- **TDS:** Nickel (ppm)  
- **Sodium:** Selenium (ppm)  
- **Potassium:** Strontium (ppm)  
- **Calcium:** Molybdenum (ppm)  
- **Magnesium:** Vanadium (ppm)  
- **Carbomate:** Zinc (ppm)  
- **Bicarbonate:** Hydroxide (ppm)  
- **Barium:** Total Hardness (ppm)  
- **Sulphate:** Manganese (ppm)  
- **Sulphate:** Phosphate (ppm)  
- **Chloride:** Ion Balance (ppm)  
- **Fluoride:** Amm. Nitrogen (ppm)  
- **Iron:** Total Phosphate (ppm)  
- **Alumina:** Total Alkalinity (ppm)  
- **TOC:** Lead (ppm)  
- **Silica:** Nitrate & Nitrite (ppm)  

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**02-06-051-04 W5M**

Well Owner: *Eagle Res Ltd*

Drilling Contractor: *Parky'S Consolidated Ltd.*

---

### General:

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</tr>
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<td>Industrial</td>
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<tr>
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<td>Abandonment:</td>
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### Casing:

| Type: | Steel |
| Depth (m): | 25.3 |
| Bottom (m): | 25.3 |
| OD (mm): | 141.2 |
| Thickness (mm): | 0.1 |
| Seal Type: | Driven |
| from (m): to | 24.4 |

### Liner:

| Type: |
| from (m): to |
| Thickness (mm): |
| Top (m): Bottom (m): |
| Perforated How: |
| from (m): to |
| Size: |
| from (m): to |
| Size: |
| from (m): to |
| Size: |

### Screen:

| Material: |
| from (m): to |
| OD (mm): |
| Thickness (mm): |
| from (m): to |
| Size: |
| from (m): to |
| Size: |
| from (m): to |
| Size: |

### Open Hole:

| from (m): to |
| Depth (m): |
| Thickness (mm): |
| OD (mm): |
| Seal Type: |
| from (m): to |
| Size: |
| from (m): to |
| Size: |
| from (m): to |
| Size: |

### Pump:

| Sub |
| from (m): to |
| Intake (m): |
| Model: Tait |
| Testing: |
| Rate (lpm): 159.6 |
| Time (minute): 120.0 |
| Level End (m): |
| Rec'd Rate (lpm) |
| Rec'd intake (m): |
| Intake (m): 35.0 |
| Pump: |
| Testing: |
| Rate (lpm): |
| Time (minute): |
| Level End (m): |
| Rec'd Rate (lpm) |
| Rec'd intake (m): |
| Intake (m): |

### Laboratory:

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<td>DIC</td>
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<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:

| Electric Log: No |
| Transmissivity: |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Total Hardness: |
| Total Phosphate: |
| Total Alkalinity: |
| Nitrate: |
| &Nitrite N: |

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 14-051-04 W5M**

**Well Owner:** Zach, Conrad  
Drilling Contractor: Kap’S Drilling Ltd.

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 79.2 (m)  
- **NPWL (m):** 15.2  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 51.8  
- **Bottom (m):** 51.8  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.2  
- **Seal Type:** Driven  
- **from (m):** to 51.8

### Liner:
- **Type:**  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.2  
- **Top (m):** Bottom (m): 51.8  
- **Perforated How:** Saw  
- **from (m):** 38.1 to 45.7  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:
- **from (m):**  

### Pump:
- **Model:** Myers  
- **Intake (m):** 30.5  

### Testing:
- **Rate (lpm):** 63.9  
- **Time (minute):** 420.0  
- **Level End (m):** 15.2  
- **Drawdown (m):** 15.2  
- **Rec’d Rate (lpm):** 63.9

---

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:**  
- **TKN:** Selenium  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Monitoring

### Casing:
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
    - from (m): to

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- Model: Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- Rec'd intake (m):
  - Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

### Electric Log:
- No Transmissivity: m²/day

### Gamma Log:
- No Storativity:

### Aquifer Test:
- No Project: Database: 1.000H

### remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by Mow-Tech in 10TM NAD 27

distributed on 2/20/98
**SE 23-051-04 W5M**

**Well Number:** 06203

**Well Owner:** *Ewashko, Betty*

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 764

**AEP:** 364938

**Date Started:** 22 May 92

**Date Completed:** 25 May 92

**Licence No.:**

**Easting:** 35.207.29

**Northing:** 5,915,963.50

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 45.7 m
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 31.7
- **Bottom (m):** 31.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):**
- **to:** 31.7

**Liner:**

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 28.4
- **Bottom (m):** 44.8
- **Perforated How:** Saw
- **from (m):**
- **to:** 44.8
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 27.4
- **Drawdown (m):** 6.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

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<th>Unit 2</th>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 23-051-04 W5M**

**Well Owner:** Ewashko, John  
Drilling Contractor: McGinn, Gerald Drilling Ltd.

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<td><strong>OD (mm):</strong> 114.3</td>
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<th><strong>Screen:</strong></th>
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<td><strong>to 22.6</strong></td>
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<td><strong>Size:</strong></td>
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<td></td>
<td><strong>Rec'd Rate (lpm):</strong></td>
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<tr>
<td></td>
<td><strong>Rec'd intake (m):</strong></td>
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<td></td>
<td><strong>Level End (m):</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Laboratory</th>
<th><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH (pH unit):</strong></td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td><strong>Potassium:</strong></td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td><strong>Magnesium:</strong></td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td><strong>Carbonate:</strong></td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td><strong>Aluminum:</strong></td>
<td>Barium</td>
<td>Manganese</td>
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<td>Beryllium</td>
<td>Phosphate</td>
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<td><strong>Chloride:</strong></td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td><strong>Fluoride:</strong></td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td><strong>Iron:</strong></td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<td><strong>TOC:</strong></td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td><strong>Silica:</strong></td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<th>Electric Log</th>
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<td>Aquifer Test</td>
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<tr>
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<td><strong>No</strong></td>
<td>Project</td>
</tr>
<tr>
<td></td>
<td><strong>Yes</strong></td>
<td>AEP Data</td>
</tr>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
Well Number: 06205

Elevation (AMSL) (m): 751
AEP: 399719
Licence No.: Easting: 26,696.48
Date Started: 22 Sep 92
Northing: 5,919,278.50
Date Completed: 22 Sep 92

**SE 31-051-04 W5M**

**Well Owner:** Dunkeld Ranches/Elliot, Jim

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 118.9 (m)
- **NPWL (m):** 39.6
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 35.0
  - **Bottom (m):** 35.0
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to 35.0

**Casing:**
- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 31.1
- **Bottom (m):** 118.0
- **Perforated How:** Saw
  - **from (m):** to 118.0
  - **Size:**

**Liner:**
- **Type:** Plastic
- **OD (mm):** 31.1
- **Thickness (mm):** 0.1
- **Top (m):** 31.1
- **Bottom (m):** 118.0
- **Depth (m):**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to
  - **from (m):** to
  - **Size:**

**Open Hole:**
- **OD (mm):**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 61.0
- **Drawdown (m):** 21.3
- **Rec’d intake (m):** 73.2
- **Rec’d Rate (lpm):** 31.9

**Laboratory:**

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<th>Parameter</th>
<th>Value</th>
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<tr>
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<tr>
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<td>Nickel</td>
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<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Molybdenum</td>
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<td>Calcium</td>
<td>Vanadium</td>
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<td>Bicarbonate</td>
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<td>Total Hardness</td>
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<tr>
<td>Sulphate</td>
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<td>Cadmium</td>
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<tr>
<td>Ammonium Nitrate</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 33-051-04 W5M**

**Well Owner:** Transalta Utilities Th#6  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 833  
**AEP:** 365595  
**Licence No.:** Easting: 31,736.70  
**Date Started:** 15 Jul 92  
**Nothing:** 5,919,224.50  
**Date Completed:** 17 Jul 92

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Industrial  
- **Completed Depth:** 109.7 (m)  
- **NPWL (m):** 36.6  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:

- **Type:** Plastic  
- **Depth (m):** 33.5  
- **Bottom (m):** 33.5  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 33.5

### Liner:

- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 30.5  
- **Bottom (m):** 109.7  
- **Perforated How:** Saw  
- **from (m):** to 109.7  
- **from (m):** to  
- **from (m):** to

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 43.6  
- **Drawdown (m):** 7.0  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
<td></td>
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<td>Sodium</td>
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<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Aluminium</td>
<td>Barium</td>
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<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**SW 35-051-04 W5M**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 57.3 (m)
- **NPWL (m):** 30.5
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 18.3

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 15.9
- **Bottom (m):** 57.3
- **Perforated How:** Machine
- **from (m):** to 46.3
- **Size:**
- **from (m):** to 52.4
- **Size:**
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:** Goulds
- **Intake (m):** 51.8

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 18.3
- **Rec’d intake (m):** 51.8
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth**

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<th>(m)</th>
<th>(m)</th>
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<td>757.4</td>
<td>Clay</td>
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<td>13.4</td>
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<td>15.5</td>
<td>753.5</td>
<td>Shale Gray</td>
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<td>16.5</td>
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<td>57.3</td>
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</table>

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06207

**Well Owner:** Moger, Evelyn

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 769

**AEP:** 351034

**Licence No.:**
- **Easting:** 33,777.83
- **Northing:** 5,919,676.00

**Date Started:** 15 Sep 89

**Date Completed:** 15 Sep 89
**Well Number:** 06208

**Well Owner:** Moger, Ken

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

### General Information
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 60.7 (m)
- **NPWL (m):** 29.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing Information
- **Type:** Plastic
- **Depth (m):** 38.4
- **Bottom (m):** 38.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal from (m): to 38.4

### Liner Information
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 36.6
- **Bottom (m):** 59.7
- **Perforated How:** Saw

### Screen Information
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole Information
- **from (m):** to

### Pump Information
- **Model:** Ay Mcdonald
- **Intake (m):** 50.3

### Testing Information
- **Rate (lpm):** 16.0
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 15.9
- **Rec'd Rate (lpm):** 50.3
- **Rec'd intake (m):** 13.7

### Laboratory Information
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Arsenic
- **Barium:** Total Hardness
- **Beryllium:** Copper
- **Silicate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log Information
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **Database:** Project: 1.000H
- **AEP Data:** Yes Well Field Verified: No

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**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**General:**
- Type of Work: **Dry Hole-Abandoned**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 127.7 (m)
- NPWL (m): **Verified NPWL (m):**
- Abandonment: **Bentonite Product**  04 Aug 95

**Casing:**
- Type:
  - Depth (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
    - from (m): to
- Liner:
  - Type:
    - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:
- Screen:
  - Material:
    - OD (mm):
    - from (m): to Size:
    - from (m): to Size:
- Open Hole:
  - from (m): to

**Pump:**
- Model: Intake (m):
- Testing:
  - Rate (lpm):
  - Time (minute):
  - Level End (m): Drawdown (m):
  - Rec'd intake (m):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
### General:
- **Type of Work:** Dry Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.4 m
- **NPWL (m):**
- **Verification NPWL (m):**
- **Abandonment:** Bentonite Product 08 Aug 95

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number: 06211**

**Well Owner:** Moger, Ken #3  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### General
- **Type of Work:** Dry Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 73.2 m  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:** Bentonite Product  
**Date:** 14 Aug 95

### Casing
- **Type:**  
  - Depth (m): Bottom (m):  
  - OD (mm): Thickness (mm):  
  - Seal Type: from (m): to  

### Liner
- **Type:**  
  - OD (mm): Thickness (mm):  
  - Top (m): Bottom (m):  
  - Perforated How: from (m): to Size: from (m): to Size: from (m): to Size:

### Screen
- **Material:**  
  - OD (mm): from (m): to Size: from (m): to Size:  

### Open Hole
- from (m): to

### Pump
- **Model:**  
  - Intake (m):  
- **Rate (lpm):** Time (minute):  
  - Level End (m): Drawdown (m):  
  - Rec'd intake (m): Rec'd Rate (lpm):

### Laboratory
- **pH (pH unit):**  
  - Cond. (µS/cm):  
  - TDS:  
  - Sodium: Nitrate  
  - Potassium: Nitrite  
  - Calcium: TN  
  - Magnesium: TC  
  - Carbonate: DIC  
  - Bicarbonate: Arsenic  
  - Aluminium: Barium  
  - Sulphate: Beryllium  
  - Chloride: Cadmium  
  - Fluoride: Chromium  
  - Iron: Cobalt  
  - TOC: Copper  
  - Silica: Lead  

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log
- **No:** Transmissivity: m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:** Yes  
- **Project:** Database: 1.000H

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Printed on:** 2/20/98
**NW 01-051-05 W5M**

**Well Owner:** Tomahawk General Store  
**Drilling Contractor:** Scott, H.A. Drilling

<table>
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<th>745</th>
<th><strong>AEP:</strong></th>
<th>390871</th>
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<td>Easting:</td>
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<td>03 May 78</td>
<td>Northing:</td>
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| Type of Work: **New Well**  
Drilling Method: **Cable Tool**  
Well Use: **Domestic**  
Completed Depth: **27.4** (m)  
NPWL (m): **18.3**  
Verified NPWL (m):  
Abandonment: |

<table>
<thead>
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<th>Casting:</th>
</tr>
</thead>
</table>
| Type: **Steel**  
Depth (m): **12.2**  
Bottom (m): **12.2**  
OD (mm): **141.2**  
Thickness (mm): **0.1**  
Seal Type: **Driven**  
from (m):  
to **12.2** |

<table>
<thead>
<tr>
<th>Liner:</th>
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<tbody>
<tr>
<td>Type:</td>
</tr>
</tbody>
</table>
| OD (mm): **114.3**  
Thickness (mm):  
Top (m):  
Bottom (m): **27.4** |

| Perforated How: **Torch**  
from (m): **23.2**  
to **27.4**  
Size: |

<table>
<thead>
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<th>Screen:</th>
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| Material:  
OD (mm):  
from (m):  
to Size: |
| from (m):  
to Size: |
| Open Hole:  
from (m):  
to |

<table>
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<tr>
<th>Pump:</th>
</tr>
</thead>
</table>
| Model:  
Intake (m): **24.4** |

<table>
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<th>Testing:</th>
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</thead>
</table>
| Rate (lpm): **31.9**  
Time (minute): **120.0**  
Level End (m): **18.3**  
Rec’d intake (m):  
Rec’d Rate (lpm): |

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<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Sulphate</td>
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<tr>
<td>Chloride</td>
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<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
</tr>
</tbody>
</table>

| Electric Log: **No**  
Transmissivity: **m³/day**  
Gamma Log: **No**  
Storativity:  
Aquifer Test: **No**  
Perforation:  
AEP Data: **Yes**  
Database: **1,000H** |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Owner: Strocher, Adlof
Drilling Contractor: Morrill's Water Well Drilling Ltd.

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 39.0 (m)
NPWL (m): 16.5
Abandonment:

Casing:
Type: Plastic
Depth (m): 24.7
Bottom (m): 24.7
OD (mm): 139.7
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 24.7

Liner:
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 23.8
Bottom (m): 39.0

Perforated How: Machine
from (m): 26.8 to 39.0
Size: 
from (m): to
Size: 
from (m): to
Size: 

Screen:
Material: Plastic
OD (mm):
from (m): to 
Size: 
from (m): to 
Size: 

Open Hole:
from (m):

Pump:
Model: 
Intake (m): 23.5

Testing:
Rate (lpm): 68.4
Time (minute): 120.0
Level End (m): 23.5
Drawdown (m): 7.0
Rec'd intake (m): 24.4
Rec'd Rate (lpm): 45.6

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 15.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to

#### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:

#### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
  - **Intake (m):**

#### Testing:
- **Rate (lpm):**
  - **Time (minute):**
- **Level End (m):**
  - **Drawdown (m):**
- **Rec'd intake (m):**

#### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Flouride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 06215**

**Well Owner:** Berry  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 756  
**Licence No.:** AEP: 367630

**Date Started:**  
**Easting:** 17,468.77  
**Nothing:** 5,915,833.00

**Well Use:** Domestic  
**Date Completed:**

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<td>(m)</td>
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<td>Drilling Method: Unknown</td>
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<td>Well Use: Domestic</td>
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<td>to</td>
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<td>from (m):</td>
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</tr>
<tr>
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<td>to</td>
<td>Size:</td>
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<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<td>to</td>
<td>Size:</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<td>Open Hole:</td>
<td>from (m):</td>
<td>to</td>
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<th>Time (minute):</th>
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<td>Nickel</td>
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<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Nitrite</td>
<td>Molybdenum</td>
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<td>TN</td>
<td>Vanadium</td>
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<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Carbonate</td>
<td>DIC</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Arsenic</td>
<td>Total Hardness</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
12-20-051-05 W5M

Well Owner: Arc Th#55-74, 375
Drilling Contractor: Unknown Driller

Well Number 06216
Elevation (AMSL) (m): 779
AEP: 368712
Licence No.: Easting: 18,240.16
Date Started: Northing: 5,816,384.85
Date Completed: 12 Aug 74

General:
Type of Work: Coal Test Hole
Well Use: Other
Completed Depth 149.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):
Rate (lpm):
Time (minute):
Level End (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:

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<td>TDS</td>
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<td>Sulphate</td>
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<td>Iron</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
NW 27-051-05 W5M

Well Owner: Joneson, Walter
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Elevation (AMSL) (m): 786
AEP: 351035
Licence No.: W5M
Date Started: 05 Dec 89
Easting: 22,758.08
Date Completed: 05 Dec 89
Northing: 5,916,142.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 45.1 (m)
NPWL (m): 21.9
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 24.1
Bottom (m): 24.1
OD (mm): 139.7
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 24.1

Liner:
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 23.2
Bottom (m): 45.1

Perforated How: Machine
from (m): 39.0 to 45.1
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Gould
Intake (m): 33.5

Testing:
Rate (lpm): 73.0
Time (minute): 120.0
Level End (m): 27.4
Drawdown (m): 5.5
Rec'd intake (m): 35.0
Rec'd Rate (lpm):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbone
Bicarbonate
Aluminium
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
Nitrogen
Molybdenum
Vanadium
Zinc
Hydroxide
Arsenic
Total Hardness
Manganese
Phosphate
Cadmium
Amm. Nitrogen
Cobalt
Total Phosphate
Copper
Total Alkalinity
Lead
Nitratenitrate N

Chemical Constituents are in mg/l (ppm), Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m) Lithologic Description
1.8 784.2 Clay Brown
6.4 779.6 Shale Brown
10.4 775.6 Sand Brown
18.9 767.1 Shale Gray
22.6 763.5 Shale Sandy Brown
29.6 756.4 Shale Green
31.4 754.6 Sand Gray
32.6 753.4 Shale Gray
35.4 750.6 Shale & Coal
36.9 749.1 Shale & Sandstone
38.4 747.6 Shale Gray
40.2 745.8 Shale Sandy Brown
42.7 743.3 Sand Coarse Grained Gray
43.9 742.1 Sand Gray
45.1 740.9 Shale Green

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No

Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth 39.0 (m)
NPWL (m): 27.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 26.5 Bottom (m): 26.5
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 26.5

Liner:
Type: Driven
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 25.6 Bottom (m): 39.0

Perforated How: Machine
from (m): 33.5 to 39.0 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 35.0

Testing:
Rate (lpm): 91.2 Time (minute): 120.0
Level End (m): 33.5 Drawdown (m): 6.4
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
ph (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 48.8 m
- **Abandonment:** Unknown 26 Mar 94

### Casing:
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Shale Trap & Welded
  - from (m): to 12.2

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m): 42.7
- **Perforated How:** Machine
  - from (m): to 18.3
  - from (m): to 42.7
  - from (m): to

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Grunfos
- **Intake (m):**
- **Rate (lpm):** 205.2
- **Testing:**
  - Level End (m): 48.8
  - Drawdown (m): 42.7
  - Rec'd intake (m): 25.9
  - Rec'd Rate (lpm): 159.6

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

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**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number: 06219**

**Well Owner:** Murphy Oil Rig Sedco 12

**Drilling Contractor:** Aiken Basin Drilling Ltd.

**Elevation (AMSL) (m):** 781

**License No.:** 378904

**Date Started:** 25 Feb 94

**Date Completed:** 25 Feb 94

**Easting:** 20,000.46

**Northing:** 5,917,254.00
**SE 31-051-05 W5M**

**Well Owner:** Wolodko, Ed/Lorna  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m): 814**  
**AEP: 364823**  
**Date Started: 12 Nov 92**  
**Date Completed: 12 Nov 92**

---

**General:**
- **Type of Work:** Deepened  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 54.6 (m)  
- **NPWL (m):** 27.4  
- **Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 5.8  
- **Bottom (m):** 5.8  
- **OD (mm):** 141.2  
- **Thick (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** 3.1  
- **to:** 36.3

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thick (mm):** 0.1  
- **Top (m):** 3.1  
- **Bottom (m):** 53.3  
- **Perforated How:** Machine  
- **from (m):** 44.2  
- **to:** 53.3  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Model:** Intake (m): 43.6  
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 43.6  
- **Drawdown (m):** 16.1  
- **Rec’d intake (m):** 45.7  
- **Rec’d Rate (lpm):** 68.4

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** Selenium  
- **Nitrate:** Strontium  
- **Nitrite:** Molybdenum  
- **TN:** Vanadium  
- **TC:** Zinc  
- **DIC:** Hydroxide  
- **Bicarbonate:** Arsenic  
- **Barium:** Total Hardness  
- **Aluminum:** Manganese  
- **Sulphate:** Beryllium  
- **Chloride:** Phosphate  
- **Cadmium:** Ion Balance  
- **Chromium:** Amm. Nitrogen  
- **Cobalt:** Total Phosphate  
- **Copper:** Total Alkalinity  
- **Lead:** Nitrate & Nitrite

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation**
- **(BGL) (AMSL):**
  - **33.5:** 780.6 Old Well  
  - **33.8:** 780.3 Shale Gray  
  - **34.8:** 779.4 Sand & Shale Brown  
  - **38.7:** 775.4 Shale Green  
  - **39.9:** 774.2 Shale Sandy Gray  
  - **45.1:** 769.0 Shale Gray  
  - **47.9:** 766.3 Sand Gray  
  - **49.4:** 764.8 Sandstone Gray  
  - **54.6:** 759.6 Sand & Sandstone Gray

**Database: Project:** 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

Printed on 2/20/98
**SE 31-051-05 W5M**

**Well Owner:** Wolodko, Peter  
**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 814  
**AEP:** 366978  
**Licence No.:**  814  
**Easting:** 18,498.03  
**Northing:** 5,919,497.50  
**Date Started:** 13 Sep 86  
**Date Completed:** 13 Sep 86

---

**General:**

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 33.5 (m)  
- **NPWL (m):** 24.4  
- **Verified NPWL (m):**

**Abandonment:**

**Casing:**  
- **Type:** Steel  
- **Depth (m):** 5.8  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 5.8

**Liner:**  
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Top (m):** 3.1  
- **Bottom (m):** 33.5  
- **Perforated How:** Torch  
- **from (m):** 24.4 to 33.5

**Screen:**  
- **Material:**  
  - **OD (mm):** from (m): to  
  - **Thickness (mm):** from (m): to  
  - **Size:** from (m): to

**Open Hole:**  
- **from (m):** to

**Pump:**  
- **Model:** Intake (m): 30.5  
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 24.4  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 45.6

---

**Laboratory:**

- **pH (pH unit):**  
- **Cond. (µS/cm):** COD Mercury  
- **TDS:** SAR Nickel  
- **Sodium:** TKN Selenium  
- **Potassium:** Nitrate Strontium  
- **Calcium:** Nitrite Molybdenum  
- **Magnesium:** TN Vanadium  
- **Carbonate:** TC Zinc  
- **Bicarbonate:** DIC Hydioxide  
- **Aluminium:** Arsenic Total Hardness  
- **Sulphate:** Barium Manganese  
- **Chloride:** Beryllium Phosphate  
- **Fluoride:** Cadmium Ion Balance  
- **Iron:** Chromium Amm. Nitrogen  
- **TOC:** Cobalt Total Phosphate  
- **Silica:** Copper Total Alkalinity

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<th>AMSL</th>
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**Transmissivity:** m²/day  
**Storativity:**

---

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes Well Field Verified: No

---

**Remarks:**

Printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 54.6 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to 7.3 Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate Nitrite N

### Electric Log: No Transmissivity: m³/day
### Gamma Log: No Storativity:
### Aquifer Test: No
### Project: Database: 1.000H
### AEP Data: Yes Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06222

**Well Owner:** Wolodko, Peter

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 814
**Licence No.:** 368629
**Date Started:**
**Northing:** 5,919,497.50
**Date Completed:**

**Electric Log:** No
**Gamma Log:** No
**AEP Data:** Yes
**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 35.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
    - from (m):
    - to
- **Liner:**
  - Top (m):
  - Bottom (m):
  - Thickness (mm):
  - Perforated How:
    - from (m):
    - to
    - Size:
    - from (m):
    - to
    - Size:
  - from (m):
  - to

### Screen:
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

### Open Hole:
- **from (m):**
- to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **SAR:**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **TDS:**
- **TKN:**
- **Sodium:**
  - Nitrate
  - Strontium
- **Potassium:**
  - Nitrite
  - Molybdenum
- **Calcium:**
  - TN
  - Vanadium
- **Magnesium:**
  - TC
  - Zinc
- **Carbonate:**
  - DIC
  - Hydroxide
- **Bicarbonate:**
  - Arsenic
  - Total Hardness
- **Aluminum:**
  - Barium
  - Manganese
- **Sulphate:**
  - Beryllium
  - Phosphate
- **Chloride:**
  - Cadmium
  - Ion Balance
- **Fluoride:**
  - Chromium
  - Amm. Nitrogen
- **Iron:**
  - Cobalt
  - Total Phosphate
- **TOC:**
  - Copper
  - Total Alkalinity
- **Silica:**
  - Lead
  - Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation:
- **(BGL) (AMSL):**
  - (m) (m)
- **Lithologic Description:**
  - (No Lithologic Information Available)

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:**
- **AEP Data:**
  - Yes
  - Well Field Verified: No
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.3 (m)
- **NPWL (m):** 23.5
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 44.8
- **Bottom (m):** 44.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 44.8

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 44.2
- **Bottom (m):** 50.3
- **Perforated How:** Saw
- **from (m):** 44.2 to 50.3
- **from (m):** to 50.3
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):**

## Pump:
- **Model:** Sub
- **Intake (m):** 45.7

## Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 25.3
- **Rec’d Rate (lpm):** 45.7
- **Rec’d intake (m):**

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

| Chemical Constituents are in mg/l (ppm). Except as noted. |

## Electric Log:
- **No**
- **Transmissivity:** m²/day

## Gamma Log:
- **No**
- **Storativity:**

## Aquifer Test:
- **No**
- **Project:**
- **Database:** 1.000H

## AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06224

**Elevation (AMSL) (m):** 808

**AEP:** 352519

**Licence No.:**

**Date Started:** 09 Oct 90

**Date Completed:** 10 Oct 90

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**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Owner:** Androschuk, Saganiuk

**Drilling Contractor:** Terry’S Water Wells (1980) Ltd.

---

**Well Field Verified:**

---

**Printed on 2/20/98**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.2 m
- **NPWL (m):** 36.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 29.0
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):**
- **to:** 29.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.7
- **Bottom (m):** 51.2
- **Perforated How:** Machine
- **from (m):** 39.0
- **to:** 51.2
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 41.2
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 41.2
- **Drawdown (m):** 4.9
- **Rec'd intake (m):** 47.2
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- COD:
- SAR:
- TKN:
- Nitrate:
- Molybdenum:
- Zinc:
- Hydroxide:
- Arsenic:
- Strontium:
- Manganese:
- Phosphate:
- Cadmium:
- Chromium:
- Cobalt:
- Copper:
- Lead:
- Mercury:
- Nickel:
- Selenium:
- Vanadium:
- Total Hardness:
- Beryllium:
- Strontium:
- Calcium:
- Magnesium:
- Zinc:
- Total Alkalinity:
- Chloride:
- Amm. Nitrogen:
- Total Phosphate:
- Total Alkalinity:
- Lead:

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation Lithologic Description**

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<tr>
<th>Depth (m)</th>
<th>Elevation (AMS) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>5.8</td>
<td>774.2</td>
<td>Clay Brown</td>
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<td>47.9</td>
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<tr>
<td>51.2</td>
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<td>Sand Gray</td>
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</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Testing:**
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.0 m
  - **NPWL (m):** 44.5
  - **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 23.5
  - **Bottom (m):** 23.5
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 23.5
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 22.6
  - **Bottom (m):** 57.0
- **Perforated How:** Machine
  - **from (m):** 46.6
  - **to 57.0**
  - **Size:**
  - **from (m):**
  - **to**
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to**
  - **Size:**
  - **from (m):**
  - **to**
- **Open Hole:**
  - **from (m):**
  - **to**
- **Pump:**
  - **Model:**
  - **Intake (m):** 51.8
- **Testing:**
  - **Rate (lpm):** 91.2
  - **Time (minute):** 120.0
  - **Level End (m):** 48.8
  - **Drawdown (m):** 4.3
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Vanadium:**
- **Nickel:**
- **Molybdenum:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Barium:**
- **Lead:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Selenium:**
- **Vanadium:**
- **Nickel:**
- **Zinc:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrile Nitrite:**

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>14.9</td>
<td>771.1</td>
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<td>16.1</td>
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<td>21.0</td>
<td>765.0</td>
<td>Sand Fine Grained Gray</td>
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<td>21.6</td>
<td>764.4</td>
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<td>22.9</td>
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<td>57.0</td>
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### Well Information:
- **Well Number:** 06226
- **Elevation (AMSL) (m):** 786
- **AEP:** 351986
- **licence No.:** 9,374.57
- **Date Started:** 15 Aug 90
- **Easting:** 5,811,178.00
- **Northing:** 9,374.57
- **Date Completed:** 15 Aug 90

### Water Well Positioning
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 26.8 m
- **NPWL (m):** 14.3
- **Verified NPWL (m):**
- **Abandonment:** Unknown 08 Jan 94

**Casing:**

- **Type:** Steel
- **Depth (m):** 17.4
- **Bottom (m):** 17.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):**
  - **to:** 17.4

**Liner:**

- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**

**Screen:**

- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:** Gould
  - **Intake (m):** 18.3

**Testing:**

- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):** 4.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 68.4

**Laboratory:**

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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Sodium</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL):**

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<th>(m)</th>
<th>Lithologic Description</th>
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<td>Sand &amp; Shale Fractured</td>
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<td>17.7</td>
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<td>24.7</td>
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<td>26.8</td>
<td>26.8</td>
<td>Shale Gray</td>
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**Electric Log:** No  **Transmissivity:** m³/day

**Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Project:** Database: 1.000H

**AEP Data:** Yes  **Well Field Verified:** No
### Well Number 06228

**Well Owner:** Talisman Energy Inc #Rig Suppl  
**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.  

**Elevation (AMSL) (m):** 788  
**License No.:** 400486  
**Date Started:** 08 Dec 93  
**Date Completed:** 08 Dec 93

**General:**  
- Type of Work: New Well  
- Drilling Method: Rotary  
- Well Use: Industrial  
- Completed Depth: 42.1 m  
- NPWL (m): 14.0  
- Abandonment: Unknown  
- Date Started: 08 Dec 93  
- Date Completed: 08 Jan 94

**Casing:**  
- Type: Steel  
- Depth (m): 17.4  
- OD (mm): 139.7  
- Seal Type: Driven  
- Bottom (m): 17.4  
- Thickness (mm): 0.1

**Liner:**  
- Type: Driven  
- OD (mm): 114.3  
- Top (m): 36.6  
- Bottom (m): 36.6

**Screen:**  
- Material:  
- OD (mm):  
- from (m): to  
- Thickness (mm):  
- Size:  
- from (m): to  
- Size:  
- from (m): to  
- Size:

**Open Hole:**  
- from (m): to

**Pump:** Sub  
- Model: Gould 4st05  
- Intake (m): 24.4

**Testing:**  
- Rate (lpm): 228.1  
- Time (minute): 120.0  
- Level End (m): 24.4  
- Drawdown (m): 10.4  
- Rec'd Rate (lpm): 33.5  
- Rec'd intake (m): 228.1

**Laboratory:**  
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium:  
- Potassium:  
- Calcium:  
- Magnesium:  
- Carbonate:  
- Bicarbonate:  
- Aluminium:  
- Sulphate:  
- Chloride:  
- Fluoride:  
- Iron:  
- TOC:  
- Silica:  
- Mercury:  
- Nickel:  
- Selenium:  
- Molybdenum:  
- Vanadium:  
- Zinc:  
- Hydroxide:  
- Total Hardness:  
- Manganese:  
- Phosphorus:  
- Ion Balance:  
- Amm. Nitrogen:  
- Total Phosphate:  
- Copper:  
- Total Alkalinity:  
- Lead:  
- Nitrate & Nitrite N:

**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation**  
- (BGL) (AMSL)  
- (m)  
- Lithologic Description  
- (m)

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<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
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<td>784.3 Clay Sandy Brown</td>
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<td>13.4</td>
<td>774.5 Clay Soft Gray</td>
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<td>773.9 Sand Loose Gray</td>
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<td>18.0</td>
<td>769.9 Shale Gray</td>
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<tr>
<td>24.4</td>
<td>763.5 Sand Fine Grained Gray</td>
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<td>29.3</td>
<td>758.7 Shale Gray</td>
</tr>
<tr>
<td>30.2</td>
<td>757.7 Shale &amp; Coal Gray</td>
</tr>
<tr>
<td>37.8</td>
<td>750.1 Shale Gray</td>
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<tr>
<td>41.5</td>
<td>746.5 Sand &amp; Sandstone Gray</td>
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<tr>
<td>42.1</td>
<td>745.9 Shale Gray</td>
</tr>
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</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SW 06-051-06 W5M**

**Well Owner:**  Wepiyk, Steven  
**Drilling Contractor:**  Scott, H.A. Drilling

---

**General:**
- **Type of Work:**  New Well  
- **Drilling Method:**  Cable Tool  
- **Well Use:**  Domestic & Stock  
- **Completed Depth:**  36.6 (m)  
- **NPWL (m):**  12.2  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**
- **Type:**  Steel  
- **Depth (m):**  28.4  
- **OD (mm):**  141.2  
- **Thickness (mm):**  0.1  
- **Seal Type:**  Driven  
- **from (m):**  to 28.4

**Liner:**
- **Type:**  
- **OD (mm):**  114.3  
- **Thickness (mm):**  
- **Top (m):**  24.4  
- **Bottom (m):**  36.6  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):**  to Size:  
- **from (m):**  to Size:  
- **from (m):**  to Size:  

**Open Hole:**
- **from (m):**  to 

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):**  45.6  
- **Time (minute):**  120.0  
- **Level End (m):**  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Beryllium:**  
- **Cadmium:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Lead:**  
- **Cadmium:**  
- **Chromium:**  
- **Iron:**  
- **Total Alkalinity:**  
- **Leaching:**  
- **Leachate:**  
- **Leached:**  
- **Leach:**  
- **Leachate:**  
- **Leach:**  
- **Leach:**  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**
- **Clay:**  18.3 765.4  
- **Sandstone:**  24.4 759.3  
- **Shale:**  36.6 747.2  

**Chemical Constituents are in mg/l (ppm). Except as noted.**
Well Number: 06230

Wepiyk, Steven

Drilling Contractor: Parny’S Consolidated Ltd.

Well Owner: Wepiyk, Steven

License No.: 415473

Elevation (AMSL) (m): 784

Date Started: 24 Aug 95

Easting: 7,656.02

Completed Depth (m): 77.1

No. 1

Licence No.: Easting: 7,656.02

Date Completed: 25 Aug 95

Northig: 5,911,387.00

Well Number: 06230

Deepened Rotary Domestic Old Well

Well Use: Domestic

Completed Depth (m): 77.1

NPWL (m): 44.2

Abandonment:

Type: Steel

Depth (m): 28.4

OD (mm): 141.2

Seal Type: Driven

thickness (mm): 0.1

from (m): 61.0 to 64.9

Liner:

Top (m): 4.0

from (m): to

Thickness (mm): 0.1

Bottom (m): 64.9

Perforated How:

from (m): to

Size:

from (m): to

Size:

Screen:

Material:

OD (mm):

from (m): to

Size:

from (m): to

Size:

Open Hole:

from (m): to

Pump: Sub

Model: Grundfos

Intake (m): 70.1

Testing:

Rate (lpm): 91.2

Time (minute): 120.0

Level End (m): 46.9

Drawdown (m): 1.8

Rec’d intake (m): 61.0

Rec’d Rate (lpm): 54.7

Laboratory:

pH (pH unit)

Cond. (µS/cm)

TDS

Sodium

Potassium

Calcium

Magnesium

Carbonate

Bicarbonate

Aluminium

Sulphate

Chloride

Fluoride

Iron

TOC

Silica

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98

Well Use: Domestic

Well Number: 06230

Deepened Rotary Domestic Old Well

Well Use: Domestic

Completed Depth (m): 77.1

NPWL (m): 44.2

Abandonment:

Type: Steel

Depth (m): 28.4

OD (mm): 141.2

Seal Type: Driven

thickness (mm): 0.1

from (m): 61.0 to 64.9

Liner:

Top (m): 4.0

from (m): to

Thickness (mm): 0.1

Bottom (m): 64.9

Perforated How:

from (m): to

Size:

from (m): to

Size:

Screen:

Material:

OD (mm):

from (m): to

Size:

from (m): to

Size:

Open Hole:

from (m): to

Pump: Sub

Model: Grundfos

Intake (m): 70.1

Testing:

Rate (lpm): 91.2

Time (minute): 120.0

Level End (m): 46.9

Drawdown (m): 1.8

Rec’d intake (m): 61.0

Rec’d Rate (lpm): 54.7

Laboratory:

pH (pH unit)

Cond. (µS/cm)

TDS

Sodium

Potassium

Calcium

Magnesium

Carbonate

Bicarbonate

Aluminium

Sulphate

Chloride

Fluoride

Iron

TOC

Silica

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
- **NPWL (m):** 28.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 37.5
- **Bottom (m):** 37.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Driven
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Sub
- **Intake (m):** 32.0

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 33.5
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate & Nitrite:**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
### NE 09-051-06 W5M

**Well Owner:** Schadek, W.

**Drilling Contractor:** Scott H

**Elevation (AMSL) (m):** 795

**AEP:** 376742

**Licence No.:**

**Date Started:** 11 Aug 78

**Northing:** 5,913,747.00

**Date Completed:** 28 Aug 78

---

**General:**

<table>
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<tr>
<th>Type of Work:</th>
<th>New Well</th>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Cable Tool</td>
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</table>

**Well Use:** Domestic & Stock

**Completed Depth:** 59.4 (m)

**NPWL (m):** 39.6

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Steel</th>
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<tbody>
<tr>
<td>Depth (m):</td>
<td>29.6</td>
</tr>
</tbody>
</table>

**OD (mm):** 141.2 (m)

**Thickness (mm):** 29.6

**Seal Type:** Driven

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
</thead>
</table>

**Liner:**

<table>
<thead>
<tr>
<th>Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
</tr>
</tbody>
</table>

**Thickness (mm):** 59.4

<table>
<thead>
<tr>
<th>Top (m):</th>
<th>Bottom (m):</th>
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**Perforated How:** Torch

<table>
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<th>from (m):</th>
<th>to</th>
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**Screen:**

<table>
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<th>Material:</th>
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<td>OD (mm):</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>to</th>
<th>Size:</th>
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</table>

**Open Hole:**

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
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**Pump:**

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
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</thead>
</table>

**Testing:**

<table>
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<tr>
<th>Rate (lpm):</th>
<th>18.2</th>
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</table>

**Time (minute):** 120.0

<table>
<thead>
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<th>Level End (m):</th>
<th>Drawdown (m):</th>
</tr>
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</table>

**Rec'd Rate (lpm):** 59.4

**Rec'd intake (m):** 19.8

---

**Laboratory:**

<table>
<thead>
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<th>03 Oct 78</th>
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<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>9.10</th>
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<table>
<thead>
<tr>
<th>Cond. (µS/cm):</th>
<th>883.0</th>
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<table>
<thead>
<tr>
<th>TDS</th>
<th>523.0</th>
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</table>

<table>
<thead>
<tr>
<th>Sodium</th>
<th>206.68</th>
<th>Nitrate</th>
<th>Strontium</th>
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<tbody>
<tr>
<td>Potassium</td>
<td>0.39</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
<td></td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
<td></td>
</tr>
<tr>
<td>Carbonate</td>
<td>57.00</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>414.87</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
<td></td>
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<tr>
<td>Sulphate</td>
<td>52.83</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
<td>0.92</td>
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<td>Fluoride</td>
<td>2.75</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>0.17</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
<td>435.0</td>
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<tr>
<td>Silica</td>
<td>8.40</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** 1.000H

**AEP Data:** Yes

**Database:** Well Field Verified: No

---

printed on 2/20/98
**General:**
- **Type of Work:** Deepened
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- Completed Depth 75.9 (m)
- NPWL (m): 46.9 Verified NPWL (m):
- Abandonment:

**Casing:**
- **Type:** Steel
- **Depth (m):** 29.6 **Bottom (m):** 29.6
- OD (mm): 141.2 **Thickness (mm):** 0.1
- Seal Type: Driven
- from (m): to

**Liner:**
- **Type:** Steel
- **Depth (m):** 114.3 **Bottom (m):** 75.9
- OD (mm): 14.9 **Thickness (mm):** 0.1
- Top (m): 14.9 **Bottom (m):** 75.9

**Perforated How:** Machine
- from (m): 51.8 to 75.9 **Size:**
- from (m): to 75.9 **Size:**
- from (m): to 75.9 **Size:**

**Screen:**
- **Material:**
- OD (mm):
- from (m): to **Size:**
- from (m): to **Size:**

**Open Hole:**
- from (m): to

**Pump:** Sub
- **Model:** Gould
- Intake (m): 64.0

**Testing:**
- **Rate (lpm):** 34.2 **Time (minute):** 120.0
- **Level End (m):** 64.0 **Drawdown (m):** 17.1
- **Rec'd intake (m):** 71.6 **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06234

**Well Owner:** Court, Ed

**Drilling Contractor:** Aiken Basin Drilling Ltd.

**Elevation (AMSL) (m):** 786

**AEP:** 367039

**Date Started:** 05 Nov 92

**Date Completed:** 05 Nov 92

**Licence No.:** Easting: 12988.61

**Northing:** 5913749.00

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock

**Completed Depth:** 70.1 (m)

NPWL (m): 45.7

**Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 32.3
- **Bottom (m):** 32.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):**

**to:** 32.3

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1

**Top (m):** 27.4

**Bottom (m):** 70.1

**Perforated How:** Hand Drill

**from (m):**

**to:** 70.1

**Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

**Open Hole:**

**from (m):**

---

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Material:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Vanadium:**
- **TC:**
- **DIC:**
- **Arsenic:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Silicate:**

**Material:**

- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**

**Material:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06235  
**Elevation (AMSL) (m):** 768  
**AEP:** 357295  
**Licence No.:** 15,682.95  
**Date Started:** 06 May 91  
**Date Completed:** 06 May 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 60.4 m  
- **NPWL (m):** 23.5  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 32.6  
- **Bottom (m):** 32.6  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 32.6  
- **to:** 32.6

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 31.4  
- **Bottom (m):** 60.4  
- **Perforated How:** Machine  
- **from (m):** 37.8  
- **to:** 43.9  
- **Size:**
- **from (m):** 50.0  
- **to:** 60.4  
- **Size:**
- **from (m):**

### Screen:
- **Material:**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 42.7

### Testing:
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 13.1  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **NS:**  
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

## Open Hole:
- **from (m):**
- **to:**

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

## Electric Log:
- **Transmission:**
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 06237

Well Owner: Tomahawk Sch. Cty Of Parkland
Drilling Contractor: Morrill'S Water Well Drilling Ltd.

Elevation (AMSL) (m): 784
Licence No.: Easting: 14,563.90
Date Started: 13 Oct 91 Northing: 5,913,858.50
Date Completed: 13 Oct 91

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 87.8 m
- NPWL (m): 34.1
- Veriﬁed NPWL (m):

Abandonment:
- Type: Plastic
- Depth (m): 46.0
- Bottom (m): 46.0
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 46.0

Liner:
- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 43.0
- Bottom (m): 87.8
- Perforated How: Machine
- from (m): 48.8
- to 87.8
- Size:
- from (m): Size:
- to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m): 87.8

Testing:
- Rate (lpm): 50.2
- Time (minute): 120.0
- Level End (m): 87.8
- Drawdown (m): 53.6
- Rec'd intake (m): 79.2
- Rec'd Rate (lpm): 45.6

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): Sulfur
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TKN
- Magnesium: Nitrite
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 33.5 m
- **NPWL (m):** 14.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 25.3
- **Bottom (m):** 25.3
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 24.4

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Grundfos
- **Intake (m):** 23.8

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 15.9
- **Rec'd Rate (lpm):** 23.8
- **Rec'd intake (m):** 36.5

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Arsenic:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Database:** 1.000H

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 85.3 m
- NPWL (m): 32.0
- Veriﬁed NPWL (m):
- Abandonment: 

**Casing:**
- Type: Plastic
- Depth (m): 48.8
- Bottom (m): 48.8
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): 48.8

**Liner:**
- Type: 
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 45.7
- Bottom (m): 85.3
- Perforated How: Machine
- from (m): 79.2
- to 85.3
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m): 
- to Size:

**Open Hole:**
- from (m): 
- to 

**Pump:**
- Model:
- Intake (m): 42.7

**Testing:**
- Rate (lpm): 91.2
- Time (minute): 120.0
- Level End (m): 42.7
- Drawdown (m): 10.7
- Rec’d intake (m): 45.7
- Rec’d Rate (lpm): 91.2

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.2 (m)
- **NPWL (m):** 12.2
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 36.6
  - **Bottom (m):** 36.6
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 36.6

## Casing:
- **Type:** Steel
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 35.4
- **Bottom (m):** 51.2
- **Perforated How:** Machine
  - **from (m):** to 36.6

## Liner:
- **Type:** Steel
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 36.6
- **Thickness (mm):** 0.1

## Screen:
- **Material:** Steel
- **OD (mm):** 36.6
- **Thickness (mm):** 0.1

## Open Hole:
- **from (m):** to 36.6

## Pump:
- **Model:** Goulds
- **Intake (m):**
- **Rate (lpm):** 114.0
- **Time (minute):** 120.0
- **Level End (m):** 33.5
- **Drawdown (m):** 21.3
- **Rec’d intake (m):** 42.7
- **Rec’d Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Boron:**
- **Bromide:**
- **Chloride:**
- **Sulphate:**
- **Fluoride:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

## Lithologic Description
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<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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<tr>
<td>7.3</td>
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<td>51.2</td>
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## Testing:
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **TOC:**
- **Copper:**
- **Total Alkalinity**
- **Lead:**
- **Nitrate & Nitrite N**

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06240
**Elevation (AMSL) (m):** 772
**AEP:** 353952
**Licence No.:**
**Date Started:** 11 Oct 90
**Easting:** 15,816.79
**No.:**
**Northings:** 5,814,309.00
**Date Completed:** 11 Oct 90

---

*printed on 2/20/98*
**SE 14-051-06 W5M**

**Well Owner:** Ellis, Kenneth Wayne

**Drilling Contractor:** Unknown Driller

**Well Number:** 06241

**Elevation (AMSL) (m):** 770

**AEP:** 354505

**Licence No.:** Easting: 15,606.31

**Date Started:** Northing: 5,814,368.00

**Date Completed:**

**Well Use:** Domestic

**Type of Work:** Chemistry

**Well Use:** Domestic

**Completed Depth (m):**

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

**Type:**

**Depth (m):**

**Bottom (m):**

**Thickness (mm):**

**Seal Type:**

**from (m):**

**to:**

**OD (mm):**

**Thickness (mm):**

**Top (m):**

**Bottom (m):**

**Perforated How:**

**from (m):**

**to:**

**Size:**

**from (m):**

**to:**

**Size:**

**from (m):**

**to:**

**Size:**

**Screen:**

**Material:**

**OD (mm):**

**from (m):**

**to:**

**Size:**

**from (m):**

**to:**

**Size:**

**Open Hole:**

**from (m):**

**to:**

**Pump:**

**Model:**

**Intake (m):**

**Testing:**

**Rate (lpm):**

**Time (minute):**

**Level End (m):**

**Drawdown (m):**

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

**Laboratory:**

**pH (pH unit):** COD

**Cond. (µS/cm):** SAR

**TDS:** TKN

**Sodium:** Nitrate

**Potassium:** Nitrite

**Calcium:** TN

**Magnesium:** TC

**Carbonate:** DIC

**Bicarbonate:** Arsenic

**Aluminum:** Barium

**Sulphate:** Beryllium

**Chloride:** Cadmium

**Fluoride:** Chromium

**Iron:** Cobalt

**TOC:** Copper

**Silica:** Lead

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**SE 14-051-06 W5M**

**Well Owner:** Pearce, Reginald J

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 770

**AEP:** 356877

**Licence No.:** Easting: 15,606.31

**Date Started:** Northing: 5,914,368.00

**Date Completed:**

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 38.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

#### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

#### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

#### Open Hole:
- from (m): to

#### Pump:
- **Model:**
- **Intake (m):**

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth

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### Lithologic Description

(No Lithologic Information Available)

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**AEP Data:** Yes Well Field Verified: No

---

**Electric Log:** No Transmissivity: m³/day

**Gamma Log:** No Storativity:

**Aquifer Test:** No

**Project:** Database: 1.000H

---

**print on 2/20/98**
**SE 14-051-06 W5M**

Well Number: **06243**

- **Well Owner:** Raugust, Stan
- **Drilling Contractor:** Morrill's Water Well Drilling Ltd.
- **Elevation (AMSL) (m):** 762
- **AEP:** 415479
- **Date Started:** 03 Aug 95
- **Date Completed:** 04 Aug 95

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

#### Completed Depth:
- **93.9** m NPWL: **30.5** m
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Steel
- **Depth (m):** **64.0** Bottom (m): **64.0**
- **OD (mm):** 139.7
- **Thickness (mm):** **0.1**
- **Seal Type:** Driven & Bentonite
- **from (m):** to **64.0**

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** **0.1**
- **Top (m):** 18.3
- **Bottom (m):** **93.9**

#### Perforated How:
- **Machine**
- **from (m):** 73.2 to **93.9** Size:
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

#### Open Hole:
- **Model:**
- **Intake (m):** **79.2**
- **Rate (lpm):** 27.8
- **Time (minute):** 120.0
- **Level End (m):** **48.8**
- **Rec'd Intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>Nitrate &amp; Nitrite N</td>
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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**SE 14-051-06 W5M**

**Well Owner:** Schadeck, Terry  
**Drilling Contractor:** Parky’S Consolidated Ltd.  

**Elevation (AMSL) (m):** 770  
**AEP:** 352053  
**Licence No.:**  
**Easting:** 15,606.31  
**Date Started:** 29 Aug 90  
**Northing:** 5,814.368.00  
**Date Completed:** 29 Aug 90  

## General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 (m)  
- **NPWL (m):** 25.9  
- **Verified NPWL (m):**  
- **Abandonment:**  

## Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 42.7  
- **Bottom (m):** 42.7  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to **42.4**  

## Liner:
- **Type:**  
- **OD (mm):**  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  

## Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  

## Open Hole:
- **from (m):** to  

## Pump:
- **Model:** Grundfos  
- **Intake (m):**  

## Testing:
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 48.8  
- **Drawdown (m):** 22.9  
- **Rec'd Rate (lpm):** 36.6  
- **Rec'd intake (m):** 68.4  

## Laboratory:

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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 06245

**Well Owner:** Barber, Carol

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 783

**Licence No.:** AEP: 361687

**Date Started:**

**Date Completed:**

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<td>Barber, Carol</td>
<td>783</td>
<td>(No Lithologic Information Available)</td>
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### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **Open Hole:**
- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:

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<td>Silica</td>
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</table>

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**SW 14-051-06 W5M**

**Well Owner:** Gruber, F.

**Drilling Contractor:** Scott, H.A. Drilling

**Well Number:** 06246

**Elevation (AMSL) (m):** 783

**AEP:** 367612

**Licence No.:** Easting: 14,426.38

**Date Started:** 12 May 77

**Nothing:** 5,814.368.50

**Date Completed:** 20 May 77

---

### General

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock

**Completed Depth:** 50.3 (m)

**NPWL (m):** 39.6

**Verified NPWL (m):**

**Abandonment:**

---

### Casing

- **Type:** Steel
- **Depth (m):** 21.3
- **Bottom (m):** 21.3
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven

**from (m):** to 21.3

---

### Liner

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** to 50.3
- **Bottom (m):** 50.3

**Perforated How:** Torch

**from (m):** 45.7 to 50.3

**Size:**

**from (m):**

**Size:**

**from (m):**

**Size:**

---

### Screen

- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to
- **from (m):** to

**Open Hole:**

**from (m):** to

---

### Pump

- **Model:**
- **Intake (m):**

**Testing**

- **Rate (lpm):** 100.3
- **Time (minute):** 120.0
- **Level End (m):** 39.6
- **Rec’d intake (m):** 45.7
- **Rec’d Rate (lpm):**

---

### Laboratory

**pH (pH unit):**

- COD
- Mercury

**Cond. (µS/cm):**

- SAR
- Nickel

**TDS:**

- TKN
- Selenium

**Sodium:**

- Nitrate
- Strontium

**Potassium:**

- Nitrite
- Molybdenum

**Calcium:**

- TN
- Vanadium

**Magnesium:**

- TC
- Zinc

**Carbonate:**

- DIC
- Hydroxide

**Bicarbonate:**

- Arsenic
- Total Hardness

**Aluminium:**

- Barium
- Manganese

**Sulphate:**

- Beryllium
- Phosphate

**Chloride:**

- Cadmium
- Ion Balance

**Fluoride:**

- Chromium
- Amm. Nitrogen

**Iron:**

- Cobalt
- Total Phosphate

**TOC:**

- Copper
- Total Alkalinity

**Silica:**

- Lead
- Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

### Electric Log

- **Transmissivity:** m²/day

### Gamma Log

- **Storativity:**

### Aquifer Test

- **Project:**

### AEP Data

- **Database:** 1.000H

- **Well Field Verified:** No
SE 15-051-06 W5M

Well Owner: Rossbach, Sylvia
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 774
Licence No.: 361688
Date Started: 13,930.53
Date Completed: 5,914,022.00

Water Well Positioned by PFRA in 10TM NAD 27

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<td>Type: OD (mm): Thickness (mm):</td>
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<tr>
<td>Top (m): Bottom (m):</td>
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<tr>
<td>Perforated How: from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>Screen:</td>
</tr>
<tr>
<td>Material: OD (mm):</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>Open Hole: from (m): to</td>
</tr>
<tr>
<td>Pump: Model: Intake (m):</td>
</tr>
<tr>
<td>Testing:</td>
</tr>
<tr>
<td>Rate (lpm): Time (minute):</td>
</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Laboratory:</th>
</tr>
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<tbody>
<tr>
<td>pH (pH unit): COD Mercury</td>
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<tr>
<td>Cond. (µS/cm): SAR Nickel</td>
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<tr>
<td>TDS: TKN Selenium</td>
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<tr>
<td>Sodium: Nitrate Strontium</td>
</tr>
<tr>
<td>Potassium: Nitrite Molybdenum</td>
</tr>
<tr>
<td>Calcium: TN Vanadium</td>
</tr>
<tr>
<td>Magnesium: TC Zinc</td>
</tr>
<tr>
<td>Carbonate: DIC Hydroxide</td>
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<tr>
<td>Bicarbonate: Arsenic Total Hardness</td>
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<td>Aluminium: Barium Manganese</td>
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<tr>
<td>Sulphate: Beryllium Phosphate</td>
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<td>Chloride: Cadmium Ion Balance</td>
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<td>Fluoride: Chromium Amm. Nitrogen</td>
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<tr>
<td>Iron: Cobalt Total Phosphate</td>
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<tr>
<td>TOC: Copper Total Alkalinity</td>
</tr>
<tr>
<td>Silica: Lead Nitrate&amp;Nitrite N</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
</tr>
</tbody>
</table>

| Electric Log: No | Transmissivity: m³/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks:

(No Lithologic Information Available)
NW 18-051-06 W5M

Well Owner: Fisons Horticulture Inc
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Well Number 06248

Elevation (AMSL) (m): 794
AEP: 365229
Licence No.: Easting: 7,582.41
Date Started: 22 Jun 92
Northing: 5,815,157.00
Date Completed: 22 Jun 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth 45.7 (m)
NPWL (m): 3.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 20.7 Bottom (m): 20.7
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 21.3

Liner:
Type: Driven
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 2.4 Bottom (m): 43.9
Perforated How: Machine
from (m): 27.4 to 43.9 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Steel
OD (mm): from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 21.3

Testing:
Rate (lpm): 228.1 Time (minute): 120.0
Level End (m): 21.3 Drawdown (m): 18.3
Rec’d intake (m): 21.3 Rec’d Rate (lpm): 182.4

Labaratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Printed on 2/20/98
**Well Owner:** Sauvie, Frank

**Well Number:** 06249

**Elevation (AMSL) (m):** 791

**AEP:** 362830

**Licence No.:**

**Easting:** 12,388.92

**Northing:** 5,916,932.00

**Date Started:** 22 Jan 92

**Date Completed:** 22 Jan 92

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 45.1 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 32.9
- **Bottom (m):** 32.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):**
  - **to:** 32.9

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 31.7
- **Bottom (m):** 45.1

### Perforated How:
- **Type:** Machine
  - **from (m):** 39.0
  - **to:** 45.1
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):**
    - **to:**
  - **Thickness (mm):**

### Open Hole:
- **from (m):**
  - **to:**

### Pump:
- **Model:** 7eh05
- **Intake (m):** 38.1

### Testing:
- **Rate (lpm):** 136.8
- **Time (minute):** 120.0
- **Level End (m):** 36.1
- **Drawdown (m):** 16.8
- **Rec’d intake (m):** 33.5
- **Rec’d Rate (lpm):** 68.4

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Chemical Constituents are in mg/l (ppm), Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm), Except as noted.**

- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

---

**Remarks:**

- **Chemical Constituents are in mg/l (ppm), Except as noted.**

---

**Electric Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**NE 21-051-06 W5M**

**Well Owner:** Tetreault, Leonard  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 791  
**AEP:** 410481  
**Licence No.:** Easting: 12,388.92  
**Date Started:** Northing: 5,916,932.00  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 38.1 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):**
- **to:**

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:

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<td>TDS</td>
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<td>Sodium</td>
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<td>Total Phosphate</td>
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</tr>
<tr>
<td>DIC Hydroxide</td>
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</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
  **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**Well Number:** 06251

**Well Owner:** Lorrac Energy Ltd

**Drilling Contractor:** Parky’s Consolidated Ltd.

**Elevation (AMSL) (m):** 817  
**AEP:** 366334  
**Licence No.:** 9,750.41  
**Date Started:** 05 Oct 92  
**Date Completed:** 05 Oct 92

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<th>Lithologic Description</th>
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<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td></td>
<td>Clay</td>
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<tr>
<td>Well Use: Industrial</td>
<td></td>
<td>6.1 810.4</td>
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<tr>
<td>Completed Depth: 12.2 (m)</td>
<td>Bottom: 9.8</td>
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<tr>
<td>NPWL (m): 2.4</td>
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<td>9.1</td>
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<tr>
<td>Abandonment:</td>
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<td></td>
</tr>
<tr>
<td>Casing: Type: Steel</td>
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<tr>
<td>Depth (m): 9.8</td>
<td>Bottom (m):</td>
<td>10.7 807.4</td>
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<td>Thickness (mm):</td>
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<td>Seal Type: Driven</td>
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<tr>
<td>from (m): to</td>
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</tr>
<tr>
<td>9.1</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
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<td>Perforated How:</td>
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<td>from (m): to</td>
<td>Size:</td>
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<td>from (m): to</td>
<td>Size:</td>
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<td>from (m): to</td>
<td>Size:</td>
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<td>Screen: Material: OD (mm):</td>
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</tr>
<tr>
<td></td>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>Open Hole: from (m): to</td>
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<td>Pump: Sub Model: Tait Intake (m): 12.2</td>
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<tr>
<td>Testing:</td>
<td>Rate (lpm): 182.4</td>
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<td>Level End (m): 9.8</td>
<td>Drawdown (m): 8.5</td>
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<td>Rec’d intake (m): 8.5</td>
<td>Rec’d Rate (lpm): 182.4</td>
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<table>
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<tr>
<th>Laboratory:</th>
<th>Electric Log: No Transmissivity: m²/day</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<td>TDS</td>
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<td>Iron</td>
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</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- Type of Work: New Well
- Drilling Method: Cable Tool
- Well Use: Domestic
- Completed Depth: 21.3 m
- NPWL (m): 3.4 m
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Unknown
- Depth (m): 15.9 m
- Bottom (m): 15.9 m
- OD (mm): 127.0
- Thickness (mm):
- Seal Type: Driven
- from (m): to

**Liner:**
- Type:
- OD (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to
- from (m): to
- from (m): to

**Screen:**
- Material:
- OD (mm):
- from (m): to
- from (m): to
- from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- 3 Rod
- Model:
- Intake (m): 9.1 m
- Rate (lpm): 68.4
- Time (minute): 120.0
- Level End (m): Drawdown (m):
- Rec'd Rate (lpm): 9.1

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
14-36-051-06 W5M

Well Owner: Canadian Hunter #Sedco 73
Drilling Contractor: Aiken Basin Drilling Ltd.

Elevation (AMSL) (m): 793
Licence No.: 368742
Date Started: 05 Mar 93
Easting: 16,434.83
Date Completed: 05 Mar 93
Northing: 5,920,410.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Industrial
Completed Depth: 24.4 m
NPWL (m): 4.6 Verified NPWL (m):
Abandonment: Unknown 24 Mar 93

Casing:
Type: Steel
Depth (m): 6.1 Bottom (m): 6.1
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 6.1

Liner:
Type:
OD (mm): 139.7 Thickness (mm): 0.1
Top (m): Bottom (m): 18.3

Perforated How: Machine
from (m): 6.1 to 18.3 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Grundfos
Model: Grundfos
Intake (m): 15.2

Testing:
Rate (lpm): 273.6 Time (minute): 120.0
Level End (m): 15.2 Drawdown (m): 10.7
Rec'd intake (m): 15.2 Rec'd Rate (lpm): 273.6

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminium: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Database: Project: AEP Data: Yes Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.
NE 36-051-06 W5M

Well Owner: Wilkie, Hugh
Drilling Contractor: Morrill’s Water Well Drilling Ltd.

Well Number 06254
Elevation (AMSL) (m): 805
AEP: 350083
Licence No.: Easting: 17,243.45
Date Started: 21 Feb 90
Northing: 5,920,035.00
Date Completed: 21 Feb 90

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth 36.0 (m)
NPWL (m): 16.8
Abandonment:

Casing:
Type: Plastic
Depth (m): 23.8
Bottom (m): 23.8
OD (mm): 139.7
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 23.8

Liner:
Type: Driven
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 22.6
Bottom (m): 36.0

Perforated How: Machine
from (m): 24.4 to 36.0
Size: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to
from (m): to
from (m): to

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 29.0

Testing:
Rate (lpm): 68.4
Time (minute): 120.0
Level End (m): 27.4
Drawdown (m): 10.7
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:

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<thead>
<tr>
<th>pH (pH unit)</th>
<th>Cond. (µS/cm)</th>
<th>TDS</th>
<th>Sodium</th>
<th>Potassium</th>
<th>Calcium</th>
<th>Magnesium</th>
<th>Carbonate</th>
<th>Bicarbonate</th>
<th>Aluminium</th>
<th>Sulphate</th>
<th>Chloride</th>
<th>Fluoride</th>
<th>Iron</th>
<th>TOC</th>
<th>Silicon</th>
<th>Electric Log</th>
<th>Gamma Log</th>
<th>Aquifer Test</th>
<th>Project</th>
<th>AEP Data</th>
<th>Database</th>
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<tbody>
<tr>
<td></td>
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<td>No</td>
<td>No</td>
<td>1.000H</td>
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<td>1000H</td>
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Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Table: Water Well Information

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: Chemistry</td>
<td>(BGL) (m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
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<tr>
<td>Completed Depth (m): NPWL (m): Verified NPWL (m): Abandonment:</td>
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<td>Casing: Type: Depth (m): Bottom (m): Thickness (mm): Seal Type: from (m): to</td>
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<td>Liner: Type: OD (mm): Thickness (mm): Top (m): Bottom (m): Perforated How: from (m): to Size: from (m): to Size: from (m): to Size: Screen: Material: OD (mm): from (m): to Size: from (m): to Size: Open Hole: from (m): to Pump: Model: Intake (m): Testing: Rate (lpm): Time (minute): Level End (m): Drawdown (m): Rec’d intake (m): Rec’d Rate (lpm):</td>
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Table: Laboratory Analysis

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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
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<td>Sulphate</td>
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<tr>
<td>Fluoride</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
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<td>Nickel</td>
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<td>Molybdenum</td>
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<td></td>
<td>Vanadium</td>
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<td>Manganese</td>
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<td>Ion Balance</td>
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<td>Total Phosphate</td>
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<td>Total Alkalinity</td>
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<td>Nitrate &amp; Nitrite N</td>
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Table: Electric and Other Logs

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<tr>
<th>Electric Log</th>
<th>Transmissivity:</th>
<th>m³/day</th>
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<tbody>
<tr>
<td>Gamma Log</td>
<td>Storativity:</td>
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<tr>
<td>Aquifer Test</td>
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<tr>
<td>Project:</td>
<td>Database:</td>
<td>1.000H</td>
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<tr>
<td>AEP Data:</td>
<td>Yes</td>
<td>Well Field Verified: No</td>
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</tbody>
</table>

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- Type of Work: **Chemistry**
- Drilling Method: **Not Applicable**
- Well Use: **Domestic**
- Completed Depth: 47.9 m
- NPWL (m): Verified NPWL (m):
- Abandonment:
  - Type:
  - Depth (m):
  - Thickness (mm):
- Drilling Contractor: Unknown Driller

## Casing:
- Type:
- Depth (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m): to

## Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

## Open Hole:
- from (m): to

## Pump:
- Model:
- Intake (m):

## Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

## Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Nitrate
- Potassium
- Nitrite
- Magnesium
- Calcium
- Nitrite
- Sulphate
- Chloride
- Sulfate
- Fluoride
- Iron
- TOC
- Silicon

<table>
<thead>
<tr>
<th>Laboratory Constituents</th>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
</tr>
</tbody>
</table>

## Electric Log:
- No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H

## AEP Data:
- Yes Well Field Verified: No

---

Water Well Positioned by PFRA in 10TM NAD 27
**SE 36-051-06 W5M**

**Well Number:** 06257

**Well Owner:** Wilkie, Hugh

**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td>Type of Work:</td>
<td></td>
</tr>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td></td>
</tr>
<tr>
<td>Completed Depth: 47.9 (m)</td>
<td></td>
</tr>
<tr>
<td>NPWL (m): 11.0</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**
- Type: Plastic
- Depth (m): 30.2
- Bottom (m): 30.2
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 30.2

**Liner:**
- Type: Driven
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 29.6
- Bottom (m): 47.9
- Perforated How: Machine
- from (m): to 47.9

**Screen:**
- Material: Driven
- OD (mm): from (m): to
- from (m): to

**Open Hole:**
- from (m): to

**Pump:** Sub
- Model: Gould
- Intake (m): 36.6

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<thead>
<tr>
<th>Testing:</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Rate (lpm): 59.3</td>
<td>3.7 790.0 Sand Brown</td>
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<td>Time (minute): 120.0</td>
<td>4.9 788.8 Sand Brown</td>
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<td>Level End (m): 33.5</td>
<td>11.6 782.1 Sand Brown</td>
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<tr>
<td>Drawdown (m): 22.6</td>
<td>13.4 780.3 Shale Brown</td>
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<tr>
<td>Rec'd intake (m): 1.000H</td>
<td>15.5 778.1 Shale Gray</td>
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<tr>
<td>Rec'd Rate (lpm): No</td>
<td>18.9 774.8 Sand Coarse Grained Gray</td>
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<td>21.0 772.7 Shale Gray</td>
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<td>29.3 764.4 Shale Gray</td>
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<td>33.2 760.5 Shale Green</td>
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<td>41.8 751.9 Shale Gray</td>
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<td>43.0 750.7 Sandstone Gray</td>
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<td>46.3 747.4 Shale</td>
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<td>47.2 746.4 Sand Gray</td>
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<td>47.9 745.8 Shale Gray</td>
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</table>

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log: No**
- Transmissivity: m²/day
  - Gamma Log: No
  - Storativity:
  - Aquifer Test: No
  - Project: Database: 1.000H
  - AEP Data: Yes
  - Well Field Verified: No

*Printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.3 m
- **NPWL (m):** 38.1 m
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 29.9 m
- **Bottom (m):** 29.9 m
- **OD (mm):** 139.7 mm
- **Thickness (mm):** 0.1 mm
- **Seal Type:** Driven
- **from (m):** to 29.9

### Liner:
- **Type:**
- **OD (mm):** 114.3 mm
- **Thickness (mm):** 0.1 mm
- **Top (m):** 28.4 m
- **Bottom (m):** 57.3 m
- **Perforated How:** Machine
- **from (m):** to 57.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Goulds
- **Intake (m):** 45.7

### Testing:
- **Rate (lpm):** 41.1
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 7.6
- **Rec'd intake (m):** 48.8
- **Rec'd Rate (lpm):** 41.1

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Barium:**
- **Magnesium:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Copper:**
- **Lead:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Phosphorus:**
- **Nitrate:**
- **Cod:**
- **Amm. Nitrogen:**
- **Phosphorus:**
- **Nitrate:**
- **Cod:**
- **Amm. Nitrogen:**
- **Phosphorus:**
- **Nitrate:**
- **Cod:**
- **Amm. Nitrogen:**
- **Phosphorus:**
- **Nitrate:**
- **Cod:**
- **Amm. Nitrogen:**
- **Phosphorus:**
- **Nitrate:**
- **COD:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Molybdenum:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates:**
- **Nitrite:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Lithologic Description:
- **Depth (m):**
- **Elevation (BGL) (m):**
- **Lithologic Description:**
  - 11.0 770.0 Clay Brown
  - 13.4 767.6 Sand & Boulders
  - 13.7 767.3 Sandstone Gray
  - 15.5 765.5 Shale Soft Green
  - 18.0 763.0 Shale Gray
  - 18.6 762.4 Sandstone Gray
  - 19.2 761.8 Sand Gray
  - 19.8 761.2 Sandstone Gray
  - 22.6 758.5 Sand Gray
  - 25.3 755.7 Shale Green
  - 30.8 750.2 Shale Gray
  - 33.5 747.5 Sand & Sandstone Fine Grained
  - 36.3 744.7 Shale Gray
  - 36.9 744.1 Sandstone Fine Grained Gray
  - 41.8 739.2 Shale Gray
  - 45.4 735.6 Sand Sandy Gray
  - 46.9 734.1 Shale Gray
  - 52.1 728.9 Sand & Sandstone Gray
  - 55.2 725.8 Sand Coarse Grained Gray
  - 57.0 724.0 Shale & Sandstone Ledges Gray
  - 57.3 723.7 Shale Gray

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Well Field Verified:
- **No**

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 06259**

**SE 03-051-07 W5M**

**Well Owner:** Shute, Robert

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 807  
**AEP:** 351987

**Date Started:** 28 Aug 90  
**Date Completed:** 28 Aug 90

**Licence No.:** 4,153.64  
**Northing:** 5,810,061.00

**Well Use: Domestic**

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<td>(m)</td>
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<td><strong>NPWL (m):</strong></td>
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<td>Verified NPWL (m):</td>
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**Abandonment:**

**Casing:**

<table>
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<tr>
<th>Type</th>
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<tbody>
<tr>
<td><strong>Depth (m):</strong></td>
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<tr>
<td><strong>Bottom (m):</strong></td>
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<td><strong>OD (mm):</strong></td>
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<tr>
<td><strong>Thickness (mm):</strong></td>
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**Seal Type:** Driven

| from (m): | to 18.3 |

**Liner:**

<table>
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<td><strong>Top (m):</strong></td>
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<tr>
<td><strong>Bottom (m):</strong></td>
<td>26.8</td>
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**Perforated How:** Machine

| from (m): | to 26.8 |
| from (m): | to Size: |
| from (m): | to Size: |

**Screen:**

<table>
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<th>Material</th>
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<tr>
<td><strong>OD (mm):</strong></td>
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<tr>
<td>from (m):</td>
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<tr>
<td>from (m):</td>
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</table>

**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): 15.2 |

**Testing:**

| Rate (lpm): | 182.4 |
| Time (minute): | 120.0 |

| Level End (m): | 15.2 |
| Drawdown (m): | 14.3 |

| Rec'd intake (m): |  | Rec'd Rate (lpm): |

| Laboratory: |  |  |
| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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</thead>
<tbody>
<tr>
<td>4.3 802.5 Clay Sandy Brown</td>
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<td></td>
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</tr>
<tr>
<td>5.5 801.3 Clay Gray</td>
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<tr>
<td>7.0 799.8 Clay Sandy Gray</td>
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<td>8.8 797.9 Sand Gray</td>
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</tr>
<tr>
<td>10.4 796.4 Shale Gray</td>
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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 56.1 (m)
  - NPWL (m): 12.2
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 36.0
  - **Bottom (m):** 36.0
- **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 36.0

**Liner:**
- **Type:**
  - Depth (m): 114.3
    - Bottom (m): 56.1
  - OD (mm): 34.8
    - **Thickness (mm):** 0.1
  - Top (m): 34.8
    - **Bottom (m):** 56.1
- **Perforated How:** Machine
  - **from (m):** to 36.0
  - **Size:**
  - **from (m):** to Size:

**Screen:**
- **Material:**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
  - **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
  - **Level End (m):** 42.7
  - **Drawdown (m):** 30.5
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
  - **Cond. (µS/cm):**
  - **TDS:**
  - **Sodium:**
  - **Potassium:**
  - **Calcium:**
  - **Magnesium:**
  - **Carbonate:**
  - **Bicarbonate:**
  - **Aluminum:**
  - **Sulphate:**
  - **Chloride:**
  - **Fluoride:**
  - **Iron:**
  - **TOC:**
  - **Silica:**
  - **Lead:**
  - **COD:**
  - **SAR:**
  - **TKN:**
  - **Nitrate:**
  - **Strontium:**
  - **Sodium:**
  - **Nitrite:**
  - **Molybdenum:**
  - **Potassium:**
  - **Vanadium:**
  - **Zinc:**
  - **Hydroxide:**
  - **Arsenic:**
  - **Total Hardness:**
  - **Beryllium:**
  - **Phosphate:**
  - **Cadmium:**
  - **Balence:**
  - **Chromium:**
  - **Cobalt:**
  - **Copper:**
  - **Total Alkalinity:**
  - **Lead:**
  - **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:**
  - **AEP Data:** Yes
  - **Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 04-051-07 W5M**

Well Owner: *Circle C Hldg C/O Carothers, B*

Drilling Contractor: *Morrill'S Water Well Drilling Ltd.*

**General:**

- Type of Work: *New Well*
- Drilling Method: *Rotary*
- Well Use: *Domestic*
- Completed Depth: 45.7 m
- NPWL (m): 25.0
- Abandonment:
- Casing:
  - Type: *Plastic*
  - Depth (m): 35.7
  - Bottom (m): 35.7
  - OD (mm): 139.7
  - Thickness (mm): 0.1
  - Seal Type: *Driven & Bentonite*
  - from (m): to 35.7
- Liner:
  - Type: *D>(&B)*
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 33.5
  - Bottom (m): 45.7
- Perforated How: *Machine*
  - from (m): 37.5 to 45.7
- Screen:
  - Material:
    - from (m): to
    - from (m): to
- Open Hole:
  - from (m): to
- Pump:
  - Model: Intake (m): 39.6
- Testing:
  - Rate (lpm): 91.2
  - Time (minute): 120.0
  - Level End (m): 39.6
  - Drawdown (m): 14.6
  - Rec’d intake (m): 39.6
  - Rec’d Rate (lpm): 68.4

**Laboratory:**

- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) Lithologic Description**

<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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**Remarks:**

No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
SE 05-051-07 W5M

Well Owner: Yurkiewich, Steve
Drilling Contractor: Morrill’S Water Well Drilling Ltd.

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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 60.4 (m)
- **NPWL (m):** 33.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 48.5
- **Bottom (m):** 48.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 48.5

### Liner:
- **Type:** Drive
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 46.6
- **Bottom (m):** 60.4
- **Perforated How:** Machine
- **from (m):** to 60.4
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 42.7

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

Chemical Constituents are in mg/l (ppm). Except as noted.
SE 07-051-07 W5M

Well Number: 06263

Drilling Contractor: Morrill’s Water Well Drilling Ltd.

Well Owner: Lang, Frank

Elevation (AMSL) (m): 881

Licence No.: 366106

Date Started: 22 Sep 92

Easting: -586.88

Date Completed: 22 Sep 92

Northing: 5,912,755.50

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**General:**
- Type of Work: New Well
- Drilling Method: Rotary

**Well Use:** Stock

**Completed Depth:** 54.3 (m)
- NPWL (m): 33.5

**Abandonment:**

**Casing:**
- Type: Plastic
  - Depth (m): 39.3
  - Bottom (m): 39.3
- OD (mm): 139.7
- Thickness (mm): 0.1

**Seal Type:** Driven
  - from (m): to 39.3

**Liner:**
- Type: Driven
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 38.4
  - Bottom (m): 54.3

**Perforated How:** Machine
  - from (m): 42.1 to 54.3

**Screen:**
- Material:
  - OD (mm): from (m) to Size:
  - Thickness (mm): from (m) to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): 42.7

**Testing:**
- Rate (lpm): 54.7
  - Time (minute): 120.0
  - Rec’d intake (m): 45.7
  - Rec’d Rate (lpm): 45.6

**Depth Elevation**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 32.0
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 30.8
- **Bottom (m):** 30.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 30.8

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 48.8

**Perforated How:** Hand Drill
- **from (m):** 36.6 to 48.8
- **Size:**
- **from (m):** to 48.8
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 16.8
- **Rec'd intake (m):** 42.7
- **Rec'd Rate (lpm):** 68.4

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Nitrate:**
- **Phosphate:**
- **Beryllium:**
- **Ion Balance:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Arsenic:**
- **Total Hardness:**
- **Bicarbonate:**
- **Total Hardness:**
- **Alkalinity:**
- **Potassium:**
- **Total Hardness:**
- **Sodium:**
- **Alkalinity:**
- **Magnesium:**
- **Barium:**
- **Calcium:**
- **Bicarbonate:**
- **Barium:**
- **Calcium:**
- **Chloride:**
- **Barium:**
- **Calcium:**
- **Chloride:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)

**NPWL (m):** 35.0

**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 47.2
- **Bottom (m):** 47.2
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap

**from (m):** to **24.4**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**

**Top (m):**

**Bottom (m):**

### Screen:

**Material:**

- **OD (mm):**
- **Thickness (mm):**

**from (m):** to **Size:**

**from (m):** to **Size:**

**from (m):** to **Size:**

### Open Hole:

**from (m):** to

### Pump:
- **Model:** Sub
- **Intake (m):** 42.7

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 36.1
- **Drawdown (m):** 3.1
- **Rec'd intake (m):** 42.7
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Strontium:** Selenium
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphorus:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrates & Nitrites:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on 2/20/98**
Well Owner: Keith, Gene
Drilling Contractor: Morrill’s Water Well Drilling Ltd.

Elevation (AMSL) (m): 855
AEP: 358446
Licence No.: W5M
Date Started: 26 Jun 91
NORTHING: 5,912,847.00
Date Completed: 26 Jun 91

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Stock
- Completed Depth 36.0 (m)
- NPWL (m): 21.3
- Veriﬁed NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 28.0
- Bottom (m): 28.0
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 28.0

**Liner:**
- Type: Driven
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 26.8
- Bottom (m): 36.0
- Perforated How: Machine
- from (m): to 36.0

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): 30.5

**Testing:**
- Rate (lpm): 91.2
- Time (minute): 120.0
- Level End (m): 27.4
- Drawdown (m): 6.1
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphorus
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Mobil Oil Rig Supply

Drilling Contractor: Morrill's Water Well Drilling Ltd.

Well Number: 06267

Elevation (AMSL) (m): 789
AEP: 400488
Licence No.: Easting: 5,871.96
Date Started: 20 Nov 93
Nothing: 5,913.808.00
Date Completed: 20 Nov 93

Well Number: 16-11-051-07 W5M

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Industrial
- Completed Depth: 57.6 (m)
- NPWL (m): 9.1
- Abandonment: Unknown
- Date Completed: 20 Jan 94

Casing:
- Type: Steel
- Depth (m): 17.1
- OD (mm): 139.7
- Seal Type: Driven
- from (m): to 17.1

Liner:
- Type: Steel
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): Bottom (m): 57.6
- Perforated How: Machine
- from (m): to 57.6
- from (m): to 57.6
- from (m): to 57.6

Screen:
- Material: Steel
- OD (mm): 114.3
- Thickness (mm): 0.1
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump: Sub
- Model: Gould 45103
- Intake (m): 44.2

Testing:
- Rate (lpm): 159.6
- Time (minute): 120.0
- Level End (m): 44.2
- Drawdown (m): 35.0
- Rec'd Rate (lpm): 51.8
- Rec'd intake (m): 136.8

Laboratory:
- pH (pH unit): 7.0
- COD: 30.0
- SAR: 20.0
- TDS: 10.0
- Sodium: 30.0
- Nitrate: 10.0
- Potassium: 20.0
- Nitrite: 10.0
- Calcium: 10.0
- TN: 20.0
- Magnesium: 10.0
- TC: 20.0
- Carbonate: 10.0
- Arsenic: 10.0
- Total Hardness: 10.0
- Aluminum: 10.0
- Barium: 10.0
- Sulphate: 10.0
- Beryllium: 10.0
- Chloride: 10.0
- Cadmium: 10.0
- Fluoride: 10.0
- Chromium: 10.0
- Iron: 10.0
- Cobalt: 10.0
- TOC: 10.0
- Copper: 10.0
- Total Alkalinity: 10.0
- Silica: 10.0
- Lead: 10.0
- Nitrate: 10.0
- Nitrite: 10.0
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Industrial  
- **Completed Depth:** 67.1 (m)  
- **NPWL (m):** 9.4  
- **Abandonment:** Unknown  
- **Date Completed:** 20 Jan 94

### Casing:
- **Type:** Steel  
- **Depth (m):** 22.6  
- **Bottom (m):** 22.6  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 22.6

### Liner:
- **Type:** Steel  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 61.0  
- **Bottom (m):** 61.0

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Thickness (mm):** Size:  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Gould 30t  
- **Intake (m):** 42.7

### Testing:
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 33.2  
- **Rec'd Rate (lpm):** 51.8  
- **Rec'd Intake (m):** 91.2

### Laboratory:

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<td>Silica</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</table>

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06268

- **Well Owner:** Mobil Oil Rig Supply  
- **Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

- **Elevation (AMSL) (m):** 789  
- **AEP:** 400497  
- **Licence No.:** Easting: 5,871.96  
- **Date Started:** 21 Nov 93  
- **Norting:** 5,913,808.00  
- **Date Completed:** 21 Nov 93
**NW 12-051-07 W5M**

**Well Owner:** Benesch, Linda

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 795

**AEP:** 376548

**Licence No.:** Easting: 6,144.51

**Date Started:** 06 Aug 93

**Northing:** 5,913,605.50

**Date Completed:** 07 Aug 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 88.1 (m)
- **NPWL (m):** 56.4
- **Verified NPWL (m):**

### Abandonment:
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 48.8
  - **Bottom (m):** 48.8
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 48.8

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 25.0
  - **Bottom (m):** 86.9

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 67.1

### Testing:
- **Intake (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 67.1
- **Drawdown (m):** 10.7
- **Rec’d intake (m):** 70.1
- **Rec’d Rate (lpm):** 45.6

### Laboratory:

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 13-051-07 W5M**

**Well Owner:** Seely, Josh  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m): 793**  
**AEP:** 353136  
**Date Started:** 29 Oct 90  
**Date Completed:** 29 Oct 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 39.6 (m)  
- **NPWL (m):** 10.4  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 30.5  
- **Bottom (m):** 30.5  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 30.5

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 29.0  
- **Bottom (m):** 39.6  

### Perforated How:
- **Machine**  
- **from (m):** 30.5  
- **to 39.6**  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 18.3

### Testing:
- **Rate (lpm):** 273.6  
- **Time (minute):** 120.0  
- **Level End (m):** 18.3  
- **Drawdown (m):** 7.9  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on 2/20/98**
**Well Number: 06271**

**Well Owner:** Guertson, Roger  
**Drilling Contractor:** Panky'S Consolidated Ltd.  

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<th>Depth</th>
<th>Elevation</th>
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<td>(m)</td>
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<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<td>Completed Depth: 30.5</td>
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<td>Rec'd Intake (m): 24.4</td>
<td>Rec'd Rate (lpm): 36.5</td>
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**Laboratory:**  
COD | Mercury  
SAR | Nickel  
TKN | Selenium  
Nitrates | Strontium  
Nitrates | Molybdenum  
TN | Vanadium  
TC | Zinc  
DIC | Hydroxide  
Arsenic | Total Hardness  
Barium | Manganese  
Beryllium | Phosphate  
Cadium | Ion Balance  
Chromium | Amm. Nitrogen  
Cobalt | Total Phosphate  
Copper | Total Alkalinity  
Lead | Nitrates & Nitrites  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 16-051-07 W5M**  
**Well Owner:** Kos, Ron  
**Drilling Contractor:** Big Iron Drilling Ltd.

- **Well Number:** 06272  
- **Elevation (AMSL) (m):** 880  
- **AEP:** 370151  
- **Licence No.:** Easting: 2,417.20  
- **Date Started:** Aug 86  
- **Date Completed:** Aug 86  
- **Drilling Contractor:** Northing: 5,814,120.50

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 94.5 (m)  
- **NPWL (m):** 68.6  
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Steel  
- **Depth (m):** 36.6  
- **Bottom (m):** 36.6  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 36.6

### Casing:
- **Type:**  
- **Depth (m):** 84.5  
- **Bottom (m):** 94.5  
- **OD (mm):** 114.3  
- **Thickness (mm):**

### Liner:
- **Type:**  
- **Top (m):** 33.5  
- **Bottom (m):** 94.5  
- **OD (mm):**

### Screen:
- **Material:**  
- **OD (mm):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub  
- **Intake (m):** 85.3  
- **Rate (lpm):** 54.7  
- **Time (minute):** 120.0  
- **Level End (m):** 94.5  
- **Drawdown (m):** 25.9  
- **Rec'd intake (m):** 85.3  
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Beryllium:** Sulphate  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Yes  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number: 06273**

**Well Owner:** Lang, Ed  
**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 99.7 (m)  
- **NPWL (m):** 61.0  
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic  
- **Depth (m):** 54.9  
- **Bottom (m):** 54.9  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1
- **Seal Type:** Driven  
- **from (m):** to 54.9

#### Liner:
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 53.6  
- **Bottom (m):** 99.7
- **Perforated How:** Machine  
- **from (m):** to 99.7  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):** 82.3

### Depth Elevation (BGL) (AMSL):

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### Electric Log:
- **Transmissivity: 1500 m³/day**
- **Gamma Log: Yes**
- **Sporativity:**
- **Aquifer Test: No**
- **Project: Database: 1.000H**
- **AEP Data: Yes**
- **Well Field Verified: No**

### Laboratory:
- **COD**  
- **pH (pH unit):**  
- **SAR**  
- **TDS**  
- **TKN**  
- **Sodium**  
- **Nitrate**  
- **Strontium**  
- **Potassium**  
- **Nitrite**  
- **Molybdenum**  
- **Calcium**  
- **TN**  
- **Magnesium**  
- **TC**  
- **Vanadium**  
- **Carbide**  
- **DIC**  
- **Hydroxide**  
- **Bicarbonate**  
- **Arsenic**  
- **Total Hardness**  
- **Aluminum**  
- **Barium**  
- **Manganese**  
- **Sulphate**  
- **Beryllium**  
- **Phosphate**  
- **Chloride**  
- **Cadmium**  
- **Ion Balance**  
- **Fluoride**  
- **Chromium**  
- **Amm. Nitrogen**  
- **Iron**  
- **Cobalt**  
- **Total Phosphate**  
- **TOC**  
- **Copper**  
- **Total Alkalinity**  
- **Silica**  
- **Lead**  
- **Nitrate&Nitrite N**  

### Testing:
- **Rate (lpm):** 36.5  
- **Time (minute):** 120.0
- **Level End (m):** 82.3  
- **Drawdown (m):** 21.3
- **Rec'd intake (m):** 85.3  
- **Rec'd Rate (lpm):** 31.9

### Remarks:

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*Water Well Positioned by PFRA in 10TM NAD 27*

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*Chemical Constituents are in mg/l (ppm). Except as noted.*
**NW 17-051-07 W5M**

Well Owner: **Drader, Brad**

Drilling Contractor: **Morrill’s Water Well Drilling Ltd.**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 54.9 (m)

**NPWL (m):** 43.6

**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 33.8
- **Bottom (m):** 33.8

**OD (mm):** 139.7

**Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** to 33.8

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 31.7
- **Bottom (m):** 54.9

**Perforated How:** Machine

**from (m):** 43.9 to 54.9

**Size:**

**from (m):** to Size:

**from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 82.1
- **Time (minute):** 120.0
- **Level End (m):** 43.6
- **Drawdown (m):** 11.3
- **Rec’d intake (m):** 51.8
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Vanadium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06275

**Well Owner:** Cavanagh, Ken

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 962

**Licence No.:** Easting: -13.29

**Date Started:** 21 May 92

**Date Completed:** 22 May 92

---

### Depth Elevation (BGL) (AMSL)

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### Laboratory Results

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lab Test:**

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### Remarks

*Water Well Positioned by PFRA in 10TM NAD 27*

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**Printed on:** 2/20/98
Well Number 06276

04-18-051-07 W5M

Well Owner: Areostar 23/Chipchase, Charles
Drilling Contractor: Tcar Holdings Ltd.

Elevation (AMSL) (m): 990
AEP: 404467
Licence No.: -1.987.74
Date Started: 30 Nov 93
Northing: 5,814,184.00
Date Completed: 30 Nov 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Industrial
Completed Depth: 62.5 (m)
NPWL (m): 40.2
Abandonment:

Casing:
Type: Steel
Depth (m): 24.4
Bottom (m): 24.4
OD (mm): 139.7
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 24.4

Liner:
Type: Steel
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 19.8
Bottom (m): 62.5

Perforated How: Torch
from (m): 44.2 to 62.5
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Sub
Intake (m): 48.8

Testing:
Rate (lpm): 228.1
Time (minute): 240.0
Level End (m): 40.5
Rec'd intake (m): 48.8
Rec'd Rate (lpm): 319.3

Laboratory:

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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
03-18-051-07 W5M

Well Owner: Arkoma Productions Of Canada
Drilling Contractor: Morrill's Water Well Drilling Ltd.

| General: |
|------------------|------------------|
| Type of Work: New Well |
| Drilling Method: Rotary |
| Well Use: Industrial |
| Completed Depth 70.1 (m) |
| NPWL (m): 21.3 |
| Abandonment: |
| | |
| Casing: |
| Type: Steel |
| Depth (m): 12.2 |
| Bottom (m): 12.2 |
| OD (mm): 139.7 |
| Thickness (mm): 0.1 |
| Seal Type: Driven |
| from (m): to 12.2 |
| Liner: |
| | |
| Screen: |
| Material: |
| OD (mm): |
| from (m): to |
| Top (m): Bottom (m): |
| from (m): to |
| from (m): to |
| Open Hole: |
| | |
| from (m): |
| Pump: Sub |
| Model: Goulds |
| Intake (m): 57.9 |
| Testing: |
| Rate (lpm): 136.8 |
| Time (minute): 120.0 |
| Level End (m): 48.8 |
| Drawdown (m): 27.4 |
| Rec'd intake (m): 59.4 |
| Rec'd Rate (lpm): |
| Laboratory: |
| pH (pH unit) COD Mercury |
| Cond. (µS/cm) | SAR Nickel |
| TDS | TKN Selenium |
| Sodium Nitrate Strontium |
| Potassium Nitrite Molybdenum |
| Calcium TN Vanadium |
| Magnesium TC Zinc |
| Carbonate DIC Hydroxide |
| Bicarbonate Arsenic Total Hardness |
| Aluminium Barium Manganese |
| Sulphate Beryllium Phosphate |
| Chloride Cadmium Ion Balance |
| Fluoride Chromium Amm. Nitrogen |
| Iron Cobalt Total Phosphate |
| TOC Copper Total Alkalinity |
| Silicon Lead Nitrate & Nitrite N |
| | |
| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: |
| Database: 1.000H |
| AEP Data: Yes Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Harke, Harold
Drilling Contractor: Midwest Water Well Ltd.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
  - NPWL (m): 12.2
- **Abandonment:**

**Casing:**
- **Type:** Steel
  - **Depth (m):** 17.4
  - **Bottom (m):** 17.4
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 17.4

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - ** Thickness (mm):** 0.1
  - **Top (m):** 15.2
  - **Bottom (m):** 27.4
- **Perforated How:** Other
  - **from (m):** 18.3 to 27.4
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
  - **Intake (m):** 27.4

**Testing:**
- **Rate (lpm):** 114.0
  - **Time (minute):** 120.0
- **Level End (m):** 27.4
  - **Drawdown (m):** 15.2
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 114.0

**Laboratory:**
- **pH (pH unit):** COD
  - **SAR:** Mercury
  - **TDS:** Nickel
  - **Sodium:** Strontium
  - **Potassium:** Molybdenum
  - **Calcium:** Vanadium
  - **Magnesium:** Zinc
  - **Carbonate:** Hydroxide
  - **Bicarbonate:** Total Hardness
  - **Aluminium:** Manganese
  - **Sulphate:** Phosphate
  - **Chloride:** Iron Balance
  - **Fluoride:** Amm. Nitrogen
  - **Iron:** Cobalt
  - **TOC:** Total Phosphate
  - **Silica:** Total Alkalinity
  - **Lead:** Lead
  - **Nitrate:** Nitrate

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 27.4 (m)
- **NPWL (m):** 18.3
- **Elevation (AMSL) (m):** 872
- **Licence No.:** Easting: -644.64
- **Drilling Contractor:** Midwest Water Well Ltd.
- **Date Started:** 24 Jun 92
- **Date Completed:** 24 Jun 92

**Casing:**
- **Type:** Steel
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 18.0 to 18.3

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 15.2
- **Bottom (m):** 27.4
- **Perforated How:** Hand Drill
- **from (m):** 18.3 to 27.4
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 27.4
- **Rate (lpm):** 68.4
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbamate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

"Chemical Constituents are in mg/l (ppm). Except as noted."
Well Number: 06281

Elevation (AMSL) (m): 860
AEP: 401202
Licence No.: Easting: -701.57
Date Started: 08 Feb 95
Notthing: 5,815,567.00
Date Completed: 08 Feb 95

**Well Information**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 57.3 m
  - NPWL (m): 31.7
  - Verified NPWL (m): 02 Mar 95
- **Abandonment:** Unknown

**Casing:**
- **Type:** Steel
- **Depth (m):** 9.8
- **Bottom (m):** 9.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Unknown from (m): to 9.8

**Liner:**
- **Type:** Driven
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 54.9

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to
  - from (m): to

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Gunfos 40003
- **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 14.0
- **Rec’d Rate (lpm):** 48.8
- **Rec’d intake (m):** 228.1

**Laboratory:**
- **pH:**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
  - **COD:**
  - **SAR:**
  - **TKN:**
  - **Nitrate:**
  - **Beryllium:**
  - **Barium:**
  - **Beryllium:**
  - **Cadmium:**
  - **Chromium:**
  - **Cobalt:**
  - **Copper:**
  - **Nickel:**
  - **Selenium:**
  - **Strontium:**
  - **Sodium:**
  - **Nitrite:**
  - **Potassium:**
  - **Vanadium:**
  - **Total Hardness:**
  - **Iron:**
  - **Total Phosphate:**
  - **Total Alkalinity:**
  - **Phosphate:**
  - **Lead:**
  - **Amm. Nitrogen:**
  - **Total Nitrate:**
  - **Nitrate:**
  - **Nitrite:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

**Database:** Project: 1.00H
**AEP Data:** Yes Well Field Verified: No
**NE 19-051-07 W5M**

**Well Owner:** Loughran, Darren/Carla  
**Drilling Contractor:** Big Iron Drilling Ltd.

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**Chemical Constituents are in mg/l (ppm). Except as noted.**
**SE 19-051-07 W5M**

**Well Owner:** Balfour, Dick

Drilling Contractor: Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 849

**AEP:** 350781

**Licence No.:**

**Easting:** -1,113.70
**Northing:** 5,916,220.00

**Date Started:** 29 Mar 90

**Date Completed:** 29 Mar 90

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.2 (m)
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 41.2
- **Bottom (m):** 41.2
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 41.2

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 40.2
- **Bottom (m):** 51.2
- **Perforated How:** Torch
- **from (m):** 41.8 to 51.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 42.7

**Testing:**

- **Rate (lpm):** 136.8
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Drawdown (m):** 9.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Laboratory:**

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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**parsed on 2/20/98**
Well Owner: **Alta Env #1333e**

Drilling Contractor: **Alberta Environment**

**Well Number**: 06284

**Elevation (AMSL) (m)**: 823

**AEP**: 412752

**Licence No.**: Easting: 1,103.27

**Date Started**: Northing: 5,915,980.00

**Date Completed**: 19 Oct 74

---

### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth**: 15.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Nitrate:** Strontium
- **Sulphate:** Molybdenum
- **Magnesium:** TN Vanadium
- **Sodium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Salts:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on 2/20/98*
**NW 22-051-07 W5M**

**Well Owner:** Kapteyn, Ralph

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 813

**AEP:** 367340

**Date Started:**

**Date Completed:**

**Licence No.:**

**Easting:** 2,788.48

**Northing:** 5,917,067.00

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Verified NPWL (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.3 (m)</td>
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<td></td>
</tr>
</tbody>
</table>

**Abandonment:**

- **Type:** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Casing:

- **Type:** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:

- **Type:** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Perforated How:** from (m): to Size:

### Screen:

- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness:** from (m): to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Intake (m):

### Testing:

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H

### AEP Data:

- **Yes** Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Well Number:** 06286
- **Well Owner:** Petro Canada
- **Elevation (AMSL) (m):** 799
- **Drilling Contractor:** Tcar Holdings Ltd.
- **Date Started:** 19 Dec 88
- **Date Completed:** 19 Dec 88
- **Licence No.:** Easting: 4,990.77
- **Northing:** 5,916,746.09

#### Lithologic Description
<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Well Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.8</td>
<td>793.4</td>
<td>Clay</td>
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<td>7.3</td>
<td>791.9</td>
<td>Sandstone</td>
</tr>
<tr>
<td>13.4</td>
<td>785.8</td>
<td>Sandstone Soft</td>
</tr>
<tr>
<td>18.3</td>
<td>780.9</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>

#### Casing:
- **Type:** Steel
- **Depth (m):** 5.8  Bottom (m): 5.8
- **OD (mm):** 139.7  Thickness (mm): 0.1
- **Seal Type:** Driven

#### Liner:
- **Type:**
  - OD (mm):
  - Thickness (mm):
- **Bottom (m):**
- **Top (m):**

#### Screen:
- **Material:**
  - OD (mm):
  - Thickness (mm):

#### Open Hole:
- **Model:** Sub
  - Intake (m): 12.2

#### Pump:
- **Model:**
  - Intake (m): 12.2

#### Testing:
- **Rate (lpm):** 228.1  Time (minute): 120.0
- **Level End (m):** 5.2  Drawdown (m): 3.7
- **Rec'd intake (m):** 13.1  Rec'd Rate (lpm): 182.4

#### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

#### Electric Log:
- **Transmissivity:** m²/day

#### Gamma Log:
- **Storativity:**

#### Aquifer Test:
- **Project:** Database: 1.000H

#### AEP Data:
- **Database:**
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number:** 06287

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 38.1 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Owner:** Thiessen, Ken

**Well Use:** Domestic

**Elevation (AMSL) (m):** 795

**Licence No.:** Easting: 4,329.33
**Date Started:** Northing: 5,916,816.50
**Date Completed:**

**Project:** Database: 1.000H
**AEP Data:** Yes Well Field Verified: No

**Remarks:**
**NE 28-051-07 W5M**

**Well Owner:** Urkavich, Roland  
**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 807  
**AEP:** 365121  
**Date Started:** 20 Mar 92  
**Date Completed:** 20 Mar 92

| Type of Work: | New Well |
| Drilling Method: | Rotary |
| Well Use: | Domestic & Stock |

Completed Depth | 33.2 (m)  
NPWL (m): | 19.8  
Veriﬁed NPWL (m): |

**Abandonment:**

**Casing:**

| Type: | Plastic |
| Depth (m): | 28.0  
Bottom (m): | 28.0 |
| OD (mm): | 139.7  
Thickness (mm): | 0.1 |
| from (m): | to 28.0 |

**Seal Type:** Driven

**Liner:**

| Type: | Driven |
| OD (mm): | 114.3  
Thickness (mm): | 0.1 |
| Top (m): | 27.1  
Bottom (m): | 33.2 |

**Perforated How:** Machine

| from (m): | to 33.2  
Size: |
| from (m): | to 33.2  
Size: |
| from (m): | to 33.2  
Size: |

**Screen:**

| Material: |  
OD (mm): |
| from (m): | to  
Size: |
| from (m): | to  
Size: |

**Open Hole:**

| from (m): | to  
| |

**Pump:**

| Model: | Intake (m): 26.8 |

**Testing:**

| Rate (lpm): 68.4  
Time (minute): 120.0 |
| Level End (m): 26.8  
Drawdown (m): 7.0 |
| Rec'd intake (m): 27.4  
Rec'd Rate (lpm): 68.4 |

**Laboratory:**

| pH (pH unit): | COD  
| Cond. (µS/cm): | SAR  
| TDS: | TKN  
| Sodium: | Nitrate  
| Potassium: | Nitrite  
| Calcium: | TN  
| Magnesium: | TC  
| Carbonate: | DIC  
| Bicarbonate: | Arsenic  
| Aluminum: | Barium  
| Sulphate: | Beryllium  
| Chloride: | Cadmium  
| Fluoride: | Chromium  
| Iron: | Cobalt  
| TOC: | Copper  
| Silica: | Lead  
| _Chemical Constituents are in mg/l (ppm). Except as noted._ |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

| Electric Log: | No |
| Gamma Log: | No |
| Aquifer Test: | No |
| Project: | Database: 1.000H |
| AEP Data: | Yes  
Well Field Verified: No |

printed on 2/20/98
**NE 28-051-07 W5M**

**Well Owner:** Urkevich, Nick  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Well Number:** 06289  
**Elevation (AMSL) (m):** 807  
**AEP:** 404852  
**Licence No.:** 2,720.69  
**Easting:** 5,816,687.50  
**Date Started:** 13 Apr 95  
**Date Completed:** 13 Apr 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 57.3 m  
- **NPWL (m):** 36.3  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 43.0  
- **Bottom (m):** 43.0  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 43.0

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 42.1  
- **Bottom (m):** 57.3  
- **Perforated How:** Machine  
- **from (m):** 48.8 to 57.3  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 45.7

### Testing:
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 9.4  
- **Rec’d intake (m):** 48.8  
- **Rec’d Rate (lpm):** 68.4

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickle  
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:** Zinc  
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Permeability:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 33.5 m
- **NPWL (m):** 1.8
- **Abandonment:** Unknown 30 May 95

### Casing:
- **Type:** Steel
- **Depth (m):** 11.3
- **OD (mm):** 139.7
- **Seal Type:** Driven
- **Thickness (mm):** 0.1

### Liner:
- **Type:** Driven
- **OD (mm):** 114.3
- **Top (m):** 30.5

### Screen:
- **Material:**
- **Bottom (m):**
- **Thickness (mm):**
- **Size:**

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):** 18.3

### Testing:
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 18.3
- **Drawdown (m):** 16.5
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Selenium:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Phosphorus:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrates Nitrates:**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **TOC:**
- **Silica:**
- **Electric Log:**
- **Gamma Log:**
- **Aquifer Test:**
- **Database:**
- **Project:**
- **AEP Data:**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 12.2 (m)
- **NPWL (m):** 7.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 12.2
- **Bottom (m):** 12.2
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 11.6

### Testing:
- **Rate (lpm):** 16.0
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):** 3.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **11 Oct 79**
- **pH (pH unit):** 7.80
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):** 651.0
- **SAR:**
- **Nickel:**
- **TDS:** 351.0
- **TKN:** 0.07
- **Selenium:**
- **Sodium:** 8.97
- **Nitrate:** 0.03
- **Strontium:**
- **Potassium:** 1.96
- **Nitrite:**
- **Molybdenum:**
- **Calcium:** 70.94
- **TN:**
- **Vanadium:**
- **Magnesium:** 40.01
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:** 414.87
- **Arsenic:**
- **Total Hardness:** 342.00
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:** 19.21
- **Beryllium:**
- **Phosphate:**
- **Chloride:** 2.13
- **Cadmium:**
- **Ion Balance:** 0.99
- **Fluoride:** 0.40
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:** 0.06
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 341.0
- **Silica:** 9.40
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
03-31-051-07 W5M

Well Owner: Paragon C/O Barlon Eng Group
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Well Number 06292

Elevation (AMSL) (m): 811
AEP: 404468
Licence No.: -1,583.08
Date Started: 07 Apr 95
Northing: 5,919,032.00
Date Completed: 07 Apr 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Industrial
Completed Depth 45.1 (m)
NPWL (m): 23.2 Verified NPWL (m):
Abandonment: Unknown 17 Apr 95

Casing:
Type: Steel
Depth (m): 17.7 Bottom (m): 17.7
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 17.7

Liner:
Type: Steel
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): Bottom (m): 42.7

Perforated How: Machine
from (m): 30.5 to 42.7 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Steel
OD (mm): from (m): to Size: from (m): to Size: from (m): to Size:

Open Hole:
Model: Gunfos 4103

Intake (m): 36.6

Testing:
Rate (lpm): 228.1 Time (minute): 120.0
Level End (m): 36.6 Drawdown (m): 13.4
Rec'd intake (m): 39.6 Rec'd Rate (lpm): 228.1

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

print on 2/20/98
05-33-051-07 W5M

Well Owner: Alta Env #1332e
Drilling Contractor: Alberta Environment

Well Number 06293
Elevation (AMSL) (m): 849
AEP: 412753
Licence No.: Easting: 1,110.20
Date Started: Northing: 5,919,457.50
Date Completed: 18 Oct 74

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<th>Lithologic Description</th>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loam Dark Brown</td>
<td>0.6</td>
<td>848.2</td>
</tr>
<tr>
<td>Clay &amp; Gravel Dark Brown</td>
<td>3.1</td>
<td>845.8</td>
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<td>Sandstone Weathered Light Brown</td>
<td>4.9</td>
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<td>Sandstone Hard Light Gray</td>
<td>7.6</td>
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<td>Sandstone Bentonitic Light Bro</td>
<td>10.4</td>
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<td>Sandstone Soft Light Brown</td>
<td>15.2</td>
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</table>

**General:**
- Type of Work: Test Hole
- Drilling Method: Unknown
- Well Use: Investigation
- Completed Depth: 15.2 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- from (m):

**Liner:**
- Type:
- OD (mm):
- Top (m):
- Perforated How:
- from (m):
- from (m):
- from (m):

**Screen:**
- Material:
- OD (mm):
- from (m):
- from (m):
- from (m):

**Open Hole:**
- from (m):

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- COD
- SAR
- Mercury
- Nickel
- TDS
- KTN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminum
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silicona
- Lead
- Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 33-051-07 W5M**

**Well Number: 06294**

**Well Owner:** Barnes, Scott  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

<table>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>AEP: 351700</td>
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<tr>
<td>Date Started:</td>
<td>28 May 90</td>
</tr>
<tr>
<td>Northing:</td>
<td>2,602.89</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>28 May 90</td>
</tr>
<tr>
<td>Easting:</td>
<td>5,919.865.00</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 67.1 (m)  
- **NPWL (m): 35.0**  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 32.3  
- **Bottom (m):** 32.3  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 32.3

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 31.1  
- **Bottom (m):** 67.1  
- **Perforated How:** Machine  
- **from (m):** to 67.1  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 73.0  
- **Time (minute):** 120.0  
- **Level End (m):** 53.3  
- **Drawdown (m):** 18.3  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number:** 06295

**Have Owner:** Dean, Bruce

**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.

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<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tr>
<td>Type of Work: New Well</td>
<td>NPWL (m): 36.0</td>
<td>AEP: 406707</td>
<td>1.8 808.0 Clay Brown</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>Licence No.:</td>
<td>12.8 797.0 Sand Brown</td>
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<td>Well Use: Domestic</td>
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<td>Easting: 2,602.89</td>
<td>13.1 796.7 Sandstone Brown</td>
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<tr>
<td>Completed Depth 53.3 (m)</td>
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<td>21.0 788.8 Sand Loose Gray</td>
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<td>NPWL (m): 36.0</td>
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<td>23.8 786.0 Shale Sandy Gray</td>
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<td>Abandonment:</td>
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<td>Date Completed: 21 Jun 95</td>
<td>29.6 780.2 Sand Gray</td>
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<tr>
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<td></td>
<td>31.7 778.1 Shale Bentonitic Light Gray</td>
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<tr>
<td>Depth (m): 30.8 Bottom (m): 30.8</td>
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<td></td>
<td>38.4 771.4 Shale Soft Green</td>
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<tr>
<td>OD (mm): 139.7 Thickness (mm): 0.1</td>
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<td></td>
<td>44.2 765.6 Shale Green</td>
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<tr>
<td>Seal Type: Driven</td>
<td></td>
<td></td>
<td>45.4 764.4 Sand Fine Grained Gray</td>
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<tr>
<td>from (m): to 30.8</td>
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<td></td>
<td>52.1 757.7 Sand Gray</td>
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<td>52.7 757.1 Sandstone Gray</td>
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<tr>
<td>OD (mm): 114.3 Thickness (mm): 0.1</td>
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<td>53.3 756.5 Sand Gray</td>
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<td>from (m): 41.5 to 53.3</td>
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<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Open Hole: from (m): to</td>
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<td></td>
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</tr>
<tr>
<td>Pump: Sub</td>
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<tr>
<td>Model: Goulds</td>
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<td>Intake (m): 41.2</td>
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<tr>
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<tr>
<td>Rec'd intake (m): 42.7 Rec'd Rate (lpm): 45.6</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Bicarbonate</td>
</tr>
<tr>
<td>Aluminum</td>
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<tr>
<td>Sulphate</td>
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<tr>
<td>Chloride</td>
</tr>
<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
</tr>
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</table>

- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.0 (m)
  - NPWL (m): 34.1
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 42.7
- **Bottom (m):** 42.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 42.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 41.8
- **Bottom (m):** 54.0
- **Perforated How:** Machine
- **from (m):** 42.7 to 54.0
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 44.5
- **Drawdown (m):** 10.4
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 18.2

**Laboratory:**
- **pH (pH unit):**
  - **COD:**
  - **SAR:**
- **Cond. (µS/cm):**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number:** 06296

**Well Owner:** Catt, Roy

**Drilling Contractor:** Panky’S Consolidated Ltd.

**Elevation (AMSL) (m):** 849

**AEP:** 415493

**Licence No.:**

**Date Started:** 14 Aug 95

**Easting:** 1,309.93

**Northing:** 5,919,103.00

**Date Completed:** 14 Aug 95

**Project:**

**Database:** 1.000H

**Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 34-051-07 W5M**

**Well Owner:** Bustin, Mike  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 806  
** Licence No.:** 354828  
** Date Started:** 21 Jan 91  
** Date Completed:** 21 Jan 91

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<tr>
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<td><em>Northing:</em> 5,919,116.00</td>
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<table>
<thead>
<tr>
<th>General:</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
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</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 36.0 (m)</td>
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<tr>
<td><strong>NPWL (m):</strong> 16.1</td>
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<tr>
<td><strong>Abandonment:</strong></td>
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<table>
<thead>
<tr>
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<tr>
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<tr>
<td><strong>Depth (m):</strong> 25.0</td>
<td><strong>Bottom (m):</strong> 25.0</td>
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<td><strong>Thickness (mm):</strong> 0.1</td>
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<td><strong>Seal Type:</strong> Driven</td>
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<tr>
<td><strong>from (m):</strong> to 25.0</td>
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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>Type:</strong></td>
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<tr>
<td><strong>OD (mm):</strong> 114.3</td>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<tr>
<td><strong>Top (m):</strong> 23.8</td>
<td><strong>Bottom (m):</strong> 36.0</td>
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<td><strong>Perforated How:</strong> Machine</td>
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<td><strong>from (m):</strong> 24.4 to 36.0</td>
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<tbody>
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<td><strong>Material:</strong></td>
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<td><strong>OD (mm):</strong></td>
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</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>Size:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>Size:</strong></td>
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<tr>
<th>Open Hole:</th>
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</thead>
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<td><strong>from (m):</strong></td>
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<table>
<thead>
<tr>
<th>Pump:</th>
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<tbody>
<tr>
<td><strong>Model:</strong></td>
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<td><strong>Testing:</strong></td>
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<tr>
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<td><strong>Drawdown (m):</strong> 11.3</td>
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<td><strong>Rec’d intake (m):</strong></td>
<td><strong>Rec’d Rate (lpm):</strong></td>
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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>pH (pH unit):</strong></td>
<td><strong>COD:</strong> Mercury</td>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>TDS:</strong></td>
<td><strong>TKN:</strong> Selenium</td>
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<td><strong>Sodium:</strong></td>
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<tr>
<td><strong>Potassium:</strong></td>
<td><strong>Nitrite:</strong> Molybdenum</td>
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<tr>
<td><strong>Calcium:</strong></td>
<td><strong>TN:</strong> Vanadium</td>
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<td><strong>Magnesium:</strong></td>
<td><strong>TC:</strong> Zinc</td>
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<tr>
<td><strong>Carbonate:</strong></td>
<td><strong>DIC:</strong> Hydroxide</td>
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<tr>
<td><strong>Bicarbonate:</strong></td>
<td><strong>Arsenic:</strong> Total Hardness</td>
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<td><strong>Barium:</strong> Manganese</td>
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<td><strong>Sulphate:</strong></td>
<td><strong>Beryllium:</strong> Phosphate</td>
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<td><strong>Chloride:</strong></td>
<td><strong>Cadmium:</strong> Ion Balance</td>
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<td><strong>Fluoride:</strong></td>
<td><strong>Chromium:</strong> Amm. Nitrogen</td>
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<td><strong>Iron:</strong></td>
<td><strong>Cobalt:</strong> Total Phosphate</td>
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<tr>
<td><strong>TOC:</strong></td>
<td><strong>Copper:</strong> Total Alkalinity</td>
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<tr>
<td><strong>Silica:</strong></td>
<td><strong>Lead:</strong> Nitrate&amp;Nitrite N</td>
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<td><strong>Open Hole:</strong></td>
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<td><strong>pH (pH unit):</strong></td>
<td><strong>COD:</strong> Mercury</td>
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<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td><strong>SAR:</strong> Nickel</td>
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<tr>
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<td><strong>TKN:</strong> Selenium</td>
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<td><strong>Potassium:</strong></td>
<td><strong>Nitrite:</strong> Molybdenum</td>
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<td><strong>Barium:</strong> Manganese</td>
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<td><strong>Beryllium:</strong> Phosphate</td>
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<td><strong>Cadmium:</strong> Ion Balance</td>
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<td><strong>Chromium:</strong> Amm. Nitrogen</td>
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<td><strong>Iron:</strong></td>
<td><strong>Cobalt:</strong> Total Phosphate</td>
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<td><strong>TOC:</strong></td>
<td><strong>Copper:</strong> Total Alkalinity</td>
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<tr>
<td><strong>Silica:</strong></td>
<td><strong>Lead:</strong> Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>4.3</td>
<td>801.4</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>5.8</td>
<td>799.9</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>6.1</td>
<td>799.6</td>
<td>Sandstone Gray</td>
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<tr>
<td>17.7</td>
<td>788.0</td>
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<td>18.3</td>
<td>787.4</td>
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<td>22.6</td>
<td>783.1</td>
<td>Sand Gray</td>
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<td>28.4</td>
<td>777.3</td>
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<td>31.7</td>
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</tr>
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<td>36.0</td>
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<td>Shale Green</td>
</tr>
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</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 79.2 m
- **NPWL (m):** 56.4
- **Verified NPWL (m):** 56.4
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 51.8
  - **Bottom (m):** 51.8
  - **OD (mm):** 114.3
  - **Thickness (mm):**
  - **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
  - **Screen:**
  - **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Sub**
  - **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** 22.8
  - **Time (minute):** 240.0
  - **Level End (m):** Drawdown (m):
  - **Rec’d intake (m):** 66.1
  - **Rec’d Rate (lpm):**

**Laboratory:**
- **20 Jan 70**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Arsenic:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevations (BGL) (AMSL):**
- **(m) (m) Lithologic Description**
- **12.2 862.6 Clay**
- **30.5 844.3 Shale Sandy Brown**
- **33.5 841.3 Shale Gray**
- **39.6 835.2 Shale Sandy Brown**
- **45.7 829.1 Shale Brown**
- **48.8 826.1 Shale Gray**
- **51.8 823.0 Sand Gray**
- **54.9 820.0 Sandstone**
- **70.1 804.7 Shale Gray**
- **76.2 798.6 Shale Sandy Gray**
- **79.2 795.6 Shale Gray**

**Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
**NW 01-051-08 W5M**

**Well Number:** 06299

**Well Owner:** Yurchak, S

Drilling Contractor: Morrill’s Water Well Drilling Ltd.

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 106.7 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 101.5
  - **Bottom (m):** 101.5
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to
- **Top (m):** Bottom (m): 106.7
- **Perforated How:** Unknown
  - from (m): to 101.5
  - Size: from (m): to Size: from (m): to Size:
- **Screen:**
  - Material: from (m): to Size:
  - OD (mm): from (m): to Size:
- **Open Hole:** from (m): to
- **Pump:**
  - Model: Intake (m):
  - **Testing:** Rate (lpm): Time (minute):
  - Level End (m): Drawdown (m): Rec’d intake (m): Rec’d Rate (lpm):

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**Laboratory:** 24 Jan 81

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

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<th>Type of Work</th>
<th>New Well</th>
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<td>Drilling Method</td>
<td>Rotary</td>
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<td>Well Use</td>
<td>Domestic</td>
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**Completed Depth**

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<th>Bottom (m)</th>
<th>Thickness (mm)</th>
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<td>53.6</td>
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**Liner:**

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**Perforated How:**

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**Screen:**

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**Open Hole:**

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<th>to</th>
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**Pump:**

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<th>Intake (m)</th>
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**Testing:**

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**Level End**

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**Lithologic Description:**

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**Laboratory:**

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<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Stock
- **Completed Depth:** 79.2 (m)
  - NPWL (m): 61.0
  - Verified NPWL (m):
- **Abandonment:**
  - **Type:** Steel
    - **Depth (m):** 16.8
    - **Bottom (m):** 16.8
    - **OD (mm):** 141.2
    - **Thickness (mm):**
    - **Seal Type:** from (m): to
- **Liner:**
  - **OD (mm):** 114.3
    - **Thickness (mm):**
    - **Top (m):**
    - **Bottom (m):** 79.2
- **Perforated How:** Torch
  - from (m): 73.2 to 79.2
    - **Size:**
  - from (m): to 79.2
    - **Size:**
  - from (m): to
    - **Size:**
- **Screen:**
  - **Material:**
    - **OD (mm):** from (m): to
    - **from (m):** to
    - **Size:**
  - **Open Hole:** from (m): to
  - **Pump:**
    - **Model:**
    - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 31.9
    - **Time (minute):** 180.0
  - **Level End (m):** 64.0
    - **Drawdown (m):** 3.1
  - **Rec'd intake (m):** 76.2
    - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06301

- **Well Owner:** Lyon, R
- **Drilling Contractor:** Scott, H.A. Drilling

- **Elevation (AMSL) (m):** 879
- **AEP:** 422827
- **Licence No.:**
- **Date Started:** 20 Nov 76
- **Easting:** -3,735.85
- **Northing:** 5,911,161.00
- **Date Completed:** 05 Dec 76
**02-02-051-08 W5M**

Well Owner: **Yurchak, S**

Drilling Contractor: **Morrill's Water Well Drilling Ltd.**

**Well Number 06302**

- **Elevation (AMSL) (m):** 841
- **AEP:** 422834
- **Licence No.:** Easting: -4,552.58
- **Date Started:** Northing: 5,910,784.00
- **Date Completed:** 29 Apr 63

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

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<th>Completed Depth (m)</th>
<th>NPWL (m)</th>
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<td>57.9</td>
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<td><strong>Bottom (m):</strong> 30.5</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

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</tr>
<tr>
<td><strong>Chloride:</strong></td>
</tr>
<tr>
<td><strong>Fluoride:</strong></td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
</tr>
<tr>
<td><strong>TOC:</strong></td>
</tr>
<tr>
<td><strong>Silica:</strong></td>
</tr>
<tr>
<td><strong>Open Hole:</strong></td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
</tr>
<tr>
<td><strong>Testing:</strong></td>
</tr>
<tr>
<td><strong>Leak (lpm):</strong></td>
</tr>
<tr>
<td><strong>Time (minute):</strong></td>
</tr>
<tr>
<td><strong>Rec'd intake (m):</strong></td>
</tr>
<tr>
<td><strong>Rec'd Rate (lpm):</strong></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>3.1 837.6 Clay</td>
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<tr>
<td>18.3 822.3 Shale</td>
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<tr>
<td>21.3 819.9 Shale &amp; Sandstone</td>
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<tr>
<td>24.4 816.3 Shale</td>
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<tr>
<td>30.5 810.2 Sand &amp; Shale</td>
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<td>33.5 807.1 Sandstone</td>
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<td>36.6 804.1 Sand Water Bearing</td>
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<td>48.8 791.9 Shale</td>
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<td>57.9 782.7 Sand</td>
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<tr>
<td>Gamma Log: No</td>
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<tr>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
</tr>
<tr>
<td>Project: Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
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<tr>
<td>Well Field Verified: No</td>
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Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
NE 02-051-08 W5M

Well Owner: Yurchak, S
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Elevation (AMSL) (m): 845
Licence No.: 422839
Date Started: -4,174.55
Date Completed: 08 Dec 81

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<tr>
<td>Northing</td>
<td>4,174.55</td>
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<tr>
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<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Stock</td>
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<tr>
<td>Completed Depth: 70.1 (m)</td>
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<td>Verified NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
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<table>
<thead>
<tr>
<th>Casing:</th>
</tr>
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<tbody>
<tr>
<td>Type:</td>
</tr>
<tr>
<td>Depth (m): Bottom (m):</td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
</tr>
<tr>
<td>Seal Type: Formaion Packer</td>
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<tr>
<td>from (m): 28.4 to</td>
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<th>Liner:</th>
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<tr>
<td>Type:</td>
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<tr>
<td>OD (mm): 114.3</td>
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<tr>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m): Bottom (m): 64.0</td>
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<tr>
<td>Perforated How: Torch</td>
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<tr>
<td>from (m): 51.2 to 64.0</td>
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<tr>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
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<tr>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
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<td>Size:</td>
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<table>
<thead>
<tr>
<th>Screen:</th>
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<tbody>
<tr>
<td>Material:</td>
</tr>
<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
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<td>Size:</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
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<tbody>
<tr>
<td>from (m): to</td>
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<table>
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<tr>
<th>Pump: Sub</th>
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<tbody>
<tr>
<td>Model: Gould 10ej07412</td>
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<td>Intake (m):</td>
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<table>
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<th>Testing:</th>
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<tr>
<td>Rate (lpm): 73.0</td>
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<tr>
<td>Time (minute): 240.0</td>
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<td>Level End (m): 27.4</td>
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<tr>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m): 45.7</td>
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<td>Rec'd Rate (lpm):</td>
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<th>Laboratory: 24 Jan 84</th>
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<tbody>
<tr>
<td>pH (pH unit): 7.70</td>
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<tr>
<td>Cond. (µS/cm): 141.0</td>
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<tr>
<td>TDS: 85.00</td>
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<tr>
<td>Sodium: 32.89</td>
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<td>Potassium: 0.39</td>
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<td>Calcium:</td>
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<tr>
<td>Magnesium:</td>
</tr>
<tr>
<td>Carbonate: DIC 89.07</td>
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<tr>
<td>Bicarbonate: 89.07</td>
</tr>
<tr>
<td>Arsenic: Total Hardness</td>
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<tr>
<td>Barium: Manganese</td>
</tr>
<tr>
<td>Sulphate: Beryllium</td>
</tr>
<tr>
<td>Chloride: Cadmium</td>
</tr>
<tr>
<td>Fluoride: Chromium</td>
</tr>
<tr>
<td>Iron: Cobalt</td>
</tr>
<tr>
<td>TOC: Copper</td>
</tr>
<tr>
<td>TDS: 73.00</td>
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<tr>
<td>Silica: 2.50</td>
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<td>Lead: Nitrate &amp; Nitrite</td>
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<th>Electric Log: No</th>
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<tbody>
<tr>
<td>Gamma Log: No</td>
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<tr>
<td>Aquifer Test: No</td>
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<tr>
<td>Electric Log: No</td>
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<table>
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<tr>
<th>Remarks:</th>
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Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
# NE 10-051-08 W5M

**Well Owner:** Turnbull, D  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Well Number:** 06329  
**Elevation (AMSL) (m):** 817  
**AEP:** 422989  
**Licence No.:** Easting: -5,633.71  
**Date Started:** Northing: 5,913,361.00  
**Date Completed:** 01 Apr 79

---

| General: Type of Work | New Well  
Drilling Method: | Rotary  
Well Use: | Domestic  
Completed Depth | 73.2 (m)  
NPWL (m): | 13.7  
Abandonment: |  
| Casting: Type | Galvanized Steel  
Depth (m): | 53.3  
OD (mm): | 114.3  
| Seal Type: | Driven  
from (m): |  
| Liner: Type |  
OD (mm): |  
Top (m): |  
Perforated How: from (m): |  
from (m): |  
from (m): |  
| Screen: Material |  
OD (mm): |  
from (m): |  
from (m): |  
| Open Hole: from (m): |  
| Pump: Model |  
Intake (m): |  
| Testing: Rate (lpm): | 73.0  
Time (minute): | 240.0  
Level End (m): | 19.8  
Drawdown (m): | 6.1  
Rec’d intake (m): |  
Rec’d Rate (lpm): |  
| Laboratory: pH (pH unit) |  
Cond. (µS/cm): |  
TDS |  
Sodium |  
Potassium |  
Calcium |  
Magnesium |  
Carbontate |  
Bicarbonate |  
Barium |  
Aluminium |  
Sulphate |  
Chloride |  
Fluoride |  
Iron |  
TOC |  
Silica |  
|  | COD  
|  | SAR  
|  | TKN  
|  | Nitrate  
|  | Nitrite  
|  | Beryllium  
|  | Cadmium  
|  | Chromium  
|  | Cobalt  
|  | Copper  
|  | Lead  
|  | Ammonium  
|  | Total Hardness  
|  | Manganese  
|  | Molybdenum  
|  | Vanadium  
|  | Zinc  
|  | Hydroxide  
|  | Total Hardness  
|  | Ion Balance  
|  | Amm. Nitrogen  
|  | Total Phosphate  
|  | Total Alkalinity  
|  | Nitrate & Nitrite  
|  | Total Hardness  
|  | Total Phosphate  
|  | Total Alkalinity  
|  | Nitrate & Nitrite  
|  | Chemical Constituents are in mg/l (ppm). Except as noted.  
|  | Electric Log: No  
Transmissivity: m³/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
SW 10-051-08 W5M

Well Owner: Mahan, F E
Drilling Contractor: Scott, H.A. Drilling

Well Number 06330

Elevation (AMSL) (m): 812
AEP: 422986
Licence No.: Easting: -6,475.32
Date Started: Northing: 5,912,861.50
Date Completed: 26 Jul 61

General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic
Completed Depth: 47.2 (m)
NPWL (m): 5.2 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 46.6 Bottom (m): 46.6
OD (mm): 127.0 Thickness (mm):
Seal Type: Driven
from (m): to

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 91.2 Time (minute): 60.0
Level End (m): 9.1 Drawdown (m): 5.2
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
 Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**NW 11-051-08 W5M**

**Well Number:** 06331

**Well Owner:** Becker, Linda/Myers, Lee

**Drilling Contractor:** Midwest Water Well Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>818</th>
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<tbody>
<tr>
<td>AEP:</td>
<td>399300</td>
</tr>
<tr>
<td>Licence No.:</td>
<td></td>
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<tr>
<td>Date Started:</td>
<td>24 Aug 94</td>
</tr>
<tr>
<td>Easting:</td>
<td>-5,190.52</td>
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<tr>
<td>Northing:</td>
<td>5,913,387.50</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>24 Aug 94</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 49.4
- **Bottom (m):** 49.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 49.1 to 49.4

**Liner:**
- **Type:**
- **Thickness (mm):** 0.1
- **Top (m):** 47.6
- **Bottom (m):** 54.9

**Perforated How:** Hand Drill
- **from (m):** 47.6 to 54.9
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 159.6
- **Time (minute):** 120.0
- **Level End (m):** 54.9
- **Drawdown (m):** 36.6
- **Rec'd intake (m):** 36.6
- **Rec'd Rate (lpm):** 136.8

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **Nickel**
- **TDS:** TKN
- **Selenium**
- **Sodium:** Nitrate
- **Strontium**
- **Potassium:** Nitrite
- **Molybdenum**
- **Calcium:** TN
- **Vanadium**
- **Magnesium:** TC
- **Zinc**
- **Carbonate:** DIC
- **Hydroxide**
- **Bicarbonate:** Arsenic
- **Total Hardness**
- **Aluminum:** Barium
- **Manganese**
- **Sulphate:** Beryllium
- **Phosphorus**
- **Chloride:** Cadmium
- **Ion Balance**
- **Fluoride:** Chromium
- **Amm. Nitrogen**
- **Iron:** Cobalt
- **Total Phosphate**
- **TOC:** Copper
- **Total Alkalinity**
- **Silica:** Lead
- **Nitrate&Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 36.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 6.1
- **Bottom (m):** 6.1
- **OD (mm):** 139.7
- **Thickness (mm):**
- **Seal Type:** Driven
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 67.1

### Perforated How:
- **Machine**
  - from (m): 61.0 to 65.5
  - Size:
- from (m): to
- from (m): to

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
- from (m): to

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Sub**
- **Model:** Webtrol 8
- **Intake (m):** 62.5

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 62.5
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### AEP Data:
- Yes
- Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**07-12-051-08 W5M**

Well Owner: *Amoco #3 Challenger Rig*
Drilling Contractor: *All Rite Drilling Ltd.*

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<tr>
<td>AEP</td>
<td>423001</td>
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<td>Licence No.:</td>
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<tr>
<td>Date Started:</td>
<td>16 Aug 79</td>
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<tr>
<td>Date Completed:</td>
<td>16 Aug 79</td>
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<tr>
<td>Licence No.:</td>
<td></td>
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<tr>
<td>Easting:</td>
<td>-2,743.88</td>
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<tr>
<td>Northing:</td>
<td>5,912,738.35</td>
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**General:**
- Type of Work: **New Well-Abandoned**
- Drilling Method: **Rotary**
- Well Use: **Industrial**
- Completed Depth: **152.4 (m)**
- NPWL (m): **Verified**
- Abandonment: **Unknown**

**Casing:**
- Type: Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): to

**Liner:**
- Type: OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Iodine Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**Depth Elevation**
<table>
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<tr>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>(m)</td>
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<td>6.1</td>
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<td>30.5</td>
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<td>61.0</td>
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<td>121.9</td>
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<tr>
<td>152.4</td>
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**Electric Log:** No  Transmissivity: m²/day
**Gamma Log:** No  Storativity:
**Aquifer Test:** No  Project: Database: 1.000H
**AEP Data:** Yes  Well Field Verified: No

printed on 2/20/98
Well Number: 06334

Well Owner: Norcen Energy Res Ltd #105
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 850
Licence No.: Easting: -3,574.11
Date Started: 28 Feb 78 Northing: 5,913,150.66
Date Completed: 01 Mar 78

General:
Type of Work: Flowing Shot Hole
Drilling Method: Drilled
Well Use: Industrial
Completed Depth: 18.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Bassani Plug 13 Mar 78

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>COD Mercury</td>
</tr>
<tr>
<td>TDS</td>
<td>SAR Nickel</td>
</tr>
<tr>
<td>Sodium</td>
<td>TKN Selenium</td>
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<tr>
<td>Calcium</td>
<td>Nitrite Molybdenum</td>
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<td>TN Vanadium</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
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<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
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<td>Aluminum</td>
<td>Barium Manganese</td>
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<td>Sulphate</td>
<td>Beryllium Phosphate</td>
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<td>Cadmium Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
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<tr>
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<td>Lead Nitrate&amp;Nitrite N</td>
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<tr>
<td></td>
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Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
**SE 12-051-08 W5M**

**Well Owner:** Chipchase, C  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.  

**Elevation (AMSL) (m):** 899  
**AEP:** 422993  
**Licence No.:** Easting: -2,539.04  
**Date Started:** 10 Apr 75  
**Northing:** 5,912,669.50  
**Date Completed:** 03 Nov 87

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<td>(m)</td>
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<td>Type:</td>
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<td>Depth (m):</td>
<td>Bottom (m):</td>
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<td>OD (mm):</td>
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<td>from (m): to</td>
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<td></td>
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<tr>
<td>Liner:</td>
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<tr>
<td>Type:</td>
<td></td>
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<td>OD (mm): 114.3</td>
<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m): 64.0</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Screen:</td>
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<tr>
<td>Material:</td>
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<td>OD (mm):</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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</tr>
<tr>
<td>Open Hole:</td>
<td></td>
<td></td>
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<tr>
<td>from (m): to</td>
<td></td>
<td></td>
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<tr>
<td>Pump:</td>
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<td>Model:</td>
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<td>pH (pH unit)</td>
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<td>Nickel</td>
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<td>Selenium</td>
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<td>Strontium</td>
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<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
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<td>Phosphorus</td>
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<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td></td>
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<tr>
<td>Remarks:</td>
<td></td>
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</tbody>
</table>

Water Well Positioned by PFRA in 10TM NAD 27
**04-13-051-08 W5M**

**Well Number:** 06336

**Well Owner:** 
**Burton, R**

**Drilling Contractor:** Parky'S Consolidated Ltd.

**Elevation (AMSL) (m):** 879

**AEP:** 423016

**Licence No.:** Easting: -3,774.49

**Date Started:** Northing: 5,814,072.50

**Date Completed:** 18 Aug 81

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 97.5 (m)
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** 114.3 Thickness (mm):
- **Top (m):** Bottom (m): 50.0
- **Perforated How:** Torch
- **from (m):** 43.9 to 50.0 **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 27.4 **Time (minute):** 60.0
- **Level End (m):** 42.7 **Drawdown (m):** 15.2
- **Rec'd intake (m):**

---

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
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<td>8.2</td>
<td>870.7</td>
<td>Clay</td>
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<tr>
<td>18.9</td>
<td>860.1</td>
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<td>20.7</td>
<td>858.2</td>
<td>Sandstone Blue</td>
</tr>
<tr>
<td>32.0</td>
<td>847.0</td>
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</tr>
<tr>
<td>38.4</td>
<td>840.6</td>
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<tr>
<td>40.2</td>
<td>838.7</td>
<td>Shale Blue</td>
</tr>
<tr>
<td>46.9</td>
<td>832.0</td>
<td>Sandstone Blue</td>
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<tr>
<td>61.0</td>
<td>818.0</td>
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<tr>
<td>78.0</td>
<td>801.0</td>
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<tr>
<td>88.4</td>
<td>790.6</td>
<td>Shale Blue</td>
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<td>94.5</td>
<td>784.5</td>
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</tr>
<tr>
<td>97.5</td>
<td>781.4</td>
<td>Shale Blue</td>
</tr>
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</table>

| Electric Log: No | Transmissivity: m³/day |
| Gamma Log: No    | Storativity:           |
| Aquifer Test: No |                     |
| Project: Database: 1.000H |
| AEP Data: Yes    | Well Field Verified: No |

printed on 2/20/98
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

### Completed Depth:
- **Elevation (AMSL) (m):** 906
- **NPWL (m):** 3,150.00
- **Verified NPWL (m):** Unknown

### Abandonment:
- **Driller:** Unknown Driller

### Chemistry:
- **Not Applicable**

### Domestic:
- **50.3**

### Lithologic Description:
- **No Lithologic Information Available**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **Database:** 1.000H

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Arsenic
- **Calcium:** Total Hardness
- **Barium:** Manganese
- **Nitrate:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Copper:** Total Phosphate
- **Lead:** Total Alkalinity
- **Nitrate:** Nitrate
- **Sodium:** Lead

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Drilling Contractor:** Unknown Driller

**Well Owner:** Oddie, Jo

**Number:** 0633703-13-051-08 W5M

**Elevation (AMSL):** 906

**Licence No.:** 356879

**Easting:** -3,150.00

**Northing:** 5,814,014.50

**Date Started:**

**Date Completed:**

**Veriffied NPWL (m):** Unknown

**Abandonment:**

**Driller:** Unknown Driller

**Well Use:** Domestic

**Type of Work:** Chemistry

**Drilling Method:** Not Applicable

---

**Well Number:** 06337

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Printed on:** 2/20/98
**NW 13-051-08 W5M**

**Well Owner:** Toews, J  
**Drilling Contractor:** Pankys Consolidated Ltd.

**General:**
- Type of Work: New Well  
- Drilling Method: Rotary  
- Well Use: Domestic  
- Completed Depth: 31.4 (m)  
- NPWL (m): 13.7  
- Veriﬁed NPWL (m): Abandonment:

**Casing:**
- Type:  
- Depth (m): Bottom (m):  
- OD (mm): Thickness (mm):  
- Seal Type: from (m): to

**Liner:**
- Type:  
- OD (mm): 114.3 Thickness (mm):  
- Top (m): Bottom (m): 31.4  
- Perforated How: Unknown  
- from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

**Screen:**
- Material:  
- OD (mm): from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:  
- Intake (m):

**Testing:**
- Rate (lpm): 31.9  
- Time (minute): 240.0  
- Level End (m): Drawdown (m):  
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium: Nitrate  
- Potassium: Nitrite  
- Calcium: TN  
- Magnesium: TC  
- Carbonate: DIC  
- Bicarbonate: Arsenic  
- Aluminium: Barium  
- Sulphate: Beryllium  
- Chloride: Cadmium  
- Fluoride: Chromium  
- Iron: Cobalt  
- TOC: Copper  
- Silica: Lead  

**Chemical Constituents are in mg/l (ppm), Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 06339**

**Well Owner:** Burton, R L

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 912

**AEP:** 423015

**Date Started:** 2,525.68

**Northing:** 5,814,029.50

---

**Well Number:** SE 13-051-08 W5M

**Well Use:** Domestic

**Licence No.:** Easting:

**Date Completed:** Northing:

---

### General

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<tbody>
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**Completed Depth (m):**

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

### Casing

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<th>Depth (m): Bottom (m):</th>
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**OD (mm):**

**Thickness (mm):**

**Seal Type:**

**from (m):** to

### Liner

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**Top (m):**

**Bottom (m):**

**Perforated How:**

from (m): to Size:

from (m): to Size:

from (m): to Size:

### Screen

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**OD (mm):**

**Thickness (mm):**

### Open Hole

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<th>Thickness (mm):</th>
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**from (m):** to

### Pump

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<th>Intake (m):</th>
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### Testing

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<th>Level End (m): Drawdown (m):</th>
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**Rec'd intake (m):**

**Rec'd Rate (lpm):**

---

**Laboratory:**

<table>
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<th>26 Feb 82</th>
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</thead>
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**pH (pH unit):** 8.52

**Cond. (µS/cm):** 1000

**TDS:** 646.0

**Sodium:** 90.85

**Potassium:** Nitrate

**Calcium:** 127.05

**Magnesium:** 28.94

**Carbonate:** DIC

**Bicarbonate:** Arsenic

**Aluminum:** Barium

**Sulphate:** 48.99

**Chloride:** 3.90

**Fluoride:** 0.21

**Iron:** 0.02

**TOC:** Copper

**Silica:** Lead

**Laboratory Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Transmissivity:** m³/day

**Gamma Log:** Storativity:

**Aquifer Test:** No

**AEP Log:** No

---

**Electric Log:**

**Transmissivity:**

**Gamma Log:**

**Aquifer Test:**

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 13-051-08 W5M**

**Well Number:** 06340

**Well Owner:** Toews, G

**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 912

**AEP:** 423009

**Licence No.:** Easting: -2,525.68

**Date Started:** Northing: 5,814,029.50

**Date Completed:** 02 Jun 81

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 109.7 (m)
  - **NPWL (m):** 70.1
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** Formation Packer
  - **from (m):** to 27.4

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** Bottom (m): 89.6
- **Perforated How:** Torch
- **from (m):** 51.2 to 64.0
- **Size:**
- **from (m):** 78.3 to 89.6
- **Size:**
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 9.1
- **Time (minute):** 360.0
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** 88.4
- **Rec’d Rate (lpm):**

---

**Laboratory:**

- **pH (pH unit):** COD
  - **Cond. (µS/cm):** SAR
  - **TDS:** TKN
  - **Sodium:** Nitrate
  - **Potassium:** Nitrite
  - **Calcium:** TN
  - **Magnesium:** TC
  - **Carbonate:** DIC
  - **Bicarbonate:** Arsenic
  - **Aluminium:** Barium
  - **Potassium:** Manganese
  - **Sulphate:** Beryllium
  - **Chloride:** Cadmium
  - **Fluoride:** Chromium
  - **Iron:** Cobalt
  - **TOC:** Copper
  - **Silica:** Lead
  - **Open Hole:** from (m): to

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### SE 13-051-08 W5M

**Well Number:** 06341

**Well Owner:** Tourneur, W

**Drilling Contractor:** Parny's Consolidated Ltd.

**Elevation (AMSL) (m):** 912

**AEP:** 423014

**Licence No.:**

**Date Started:** 01 Aug 86

**Date Completed:** 01 Aug 86

**Easting:** -2,525.68

**Northing:** 5,814,029.50

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 25.0
- **Bottom (m):** 25.0
- **OD (mm):** 114.2
- **Thickness (mm):** 0.1
- **Seal Type:** Pushed
- **from (m):** to 24.4

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 22.6
- **Bottom (m):** 61.0

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Sub
- **Intake (m):** 42.7

### Testing:

- **Rate (lpm):** 36.5
- **Time (minute):** 120.0
- **Level End (m):** 39.6
- **Drawdown (m):** 12.2
- **Rec'd Rate (lpm):** 39.6
- **Rec'd intake (m):** 36.5

### Laboratory:

- **pH (pH unit):** 7.80
- **COD:** Mercury
- **Cond. (µS/cm):** 826.0
- **SAR:** Nickel
- **TDS:** 460.0
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** TC
- **Sodium:** Zinc
- **Potassium:** Hydroxide
- **Barium:** Bicarbonate
- **Beryllium:** Arsenic
- **Cadmium:** Total Hardness 273.00
- **Chromium:** Total alkalinity 443.0
- **Cobalt:** Lead
- **Copper:** Nitrate & Nitrite
- **Iron:** Ammonia Nitrogen
- **Chloride:** Ammonium
- **Sulphate:** Bicarbonate
- **Fluoride:** Calcium
- **Fluoride:** Manganese
- **Selenium:** Total Phosphate
- **Nitrate:** Total Alkalinity
- **Nitrite:** Molybdenum
- **Total Hardness:** 1.00
- **Total Alkalinity:** 1.00
- **Amm. Nitrogen:** 1.00
- **Total Phosphate:** 1.00
- **Copper:** 1.00
- **Lead:** 1.00
- **Nitrate & Nitrite:** 1.00
- **Total Hardness:** 1.00
- **Total Alkalinity:** 1.00
- **Amm. Nitrogen:** 1.00
- **Total Phosphate:** 1.00

### Remarks:

Water well positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
### General:
- **Type of Work**: New Well-Abandoned
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 121.9 m
- **NPWL (m)**: 906
- **Verified NPWL (m)**: -2,540.91
- **Abandonment**: Unknown

### Casing:
- **Type**:
  - **Depth (m)**: Bottom (m):
  - **OD (mm)**: Thickness (mm):
  - **Seal Type**: from (m) to

### Liner:
- **Type**:
  - **OD (mm)**: Thickness (mm):
  - **Top (m)**: Bottom (m):
  - **Perforated How**: from (m) to Size:

### Screen:
- **Material**:
  - **OD (mm)**: from (m) to Size:
  - **from (m) to Size:**

### Open Hole:
- **from (m)**: to

### Pump:
- **Model**: Intake (m):

### Testing:
- **Rate (lpm)**: Time (minute):
  - **Level End (m)**: Drawdown (m):
  - **Rec’d intake (m)**: Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit)**: COD: Mercury
- **Cond. (µS/cm)**: SAR: Nickel
- **TDS**: TKN: Selenium
- **Sodium**: Nitrate: Strontium
- **Potassium**: Nitrite: Molybdenum
- **Calcium**: TN: Vanadium
- **Magnesium**: TC: Zinc
- **Carbonate**: DIC: Hydroxide
- **Bicarbonate**: Arsenic: Total Hardness
- **Aluminium**: Barium: Manganese
- **Sulphate**: Beryllium: Phosphate
- **Chloride**: Cadmium: Ion Balance
- **Fluoride**: Chromium: Amm. Nitrogen
- **Iron**: Cobalt: Total Phosphate
- **TOC**: Copper: Total Alkalinity
- **Silica**: Lead: Nitrate&Nitrite N

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

### Depth Elevation (BGL) (AMSL):

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>7.3</td>
<td>898.5</td>
<td>Clay Sandy</td>
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<tr>
<td>29.0</td>
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<td>876.5</td>
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<td>33.5</td>
<td>872.3</td>
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</tr>
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<td>35.0</td>
<td>870.7</td>
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<td>39.9</td>
<td>865.9</td>
<td>Sandstone Gray</td>
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<tr>
<td>44.2</td>
<td>861.6</td>
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<td>48.8</td>
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<td>121.9</td>
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### Electric Log: No  Transmissivity: m²/day
### Gamma Log: No  Storativity:
### Aquifer Test: No  Project: Database: 1.000H
### AEP Data: Yes  Well Field Verified: No
**Well Number:** 06343

**Well Owner:** Cropley, Robert

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)
- **NPWL (m):** 68.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 55.5
- **Bottom (m):** 55.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 55.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 52.4
- **Bottom (m):** 85.3

### Perforated How:
- **Machine**
- **from (m):** to 85.3

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 79.2

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 74.7
- **Drawdown (m):** 6.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Sodium</td>
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<td>Potassium</td>
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<td>Magnesium</td>
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<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<tr>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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<tr>
<td>DIC</td>
<td>Hydroxide</td>
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<td>Electric Log: No</td>
<td>Transmissivity: m³/day</td>
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<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<td>Aquifer Test: No</td>
<td></td>
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<tr>
<td>AEP Data: Yes</td>
<td>Database: 1.000H</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06344

**Well Owner:** Murray, Dale

**Drilling Contractor:** Morril's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 899

**AEP:** 366107

**Licence No.:**

**Date Started:** 19 Aug 92

**Date Completed:** 19 Aug 92

**Well Number:** 06344

<table>
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<th>Depth Elevation</th>
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<td>(m)</td>
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<tr>
<td>4.9</td>
<td>894.1 Clay Sandy Brown</td>
</tr>
<tr>
<td>7.3</td>
<td>891.7 Sand &amp; Sandstone Brown</td>
</tr>
<tr>
<td>11.3</td>
<td>887.7 Shale Sandy Brown</td>
</tr>
<tr>
<td>20.7</td>
<td>878.3 Sand &amp; Sandstone Brown</td>
</tr>
<tr>
<td>25.6</td>
<td>873.4 Shale Gray</td>
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<tr>
<td>28.0</td>
<td>871.0 Shale Sandy Gray</td>
</tr>
<tr>
<td>31.7</td>
<td>867.3 Shale Green</td>
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<tr>
<td>38.1</td>
<td>860.9 Sand &amp; Shale Gray</td>
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<td>42.1</td>
<td>857.0 Shale Gray</td>
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<tr>
<td>44.5</td>
<td>854.5 Shale Sandy Brown</td>
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<tr>
<td>61.3</td>
<td>837.8 Sand &amp; Sandstone Brown</td>
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<tr>
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<td>830.1 Shale Gray</td>
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<td>75.6</td>
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<td>78.0</td>
<td>821.0 Shale Gray</td>
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<td>82.3</td>
<td>816.7 Sand Brownish Gray</td>
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<td>85.6</td>
<td>813.4 Shale Gray</td>
</tr>
<tr>
<td>89.9</td>
<td>809.1 Sand &amp; Sandstone Brownish Gra</td>
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</tbody>
</table>

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **NPWL (m):** 59.7
- **Completed Depth:** 89.9 (m)
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 62.2
  - **OD (mm):** 139.7
  - **Seal Type:** Driven
  - **Top (m):** 61.0
  - **Bottom (m):** 89.9

**Liner:**

- **Type:** Driven
- **OD (mm):** 114.3
- **Top (m):** 61.0
- **Bottom (m):** 89.9

**Screen:**

- **Material:**
  - **OD (mm):**
    - from (m): to Size:
  - **from (m): to Size:**
  - **from (m): to Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:** Goulds 7g07412
- **Intake (m):** 76.2
- **Rate (lpm):** 50.2
- **Time (minute):** 120.0
- **Level End (m):** 76.2
- **Drawdown (m):** 16.5
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
SW 13-051-08 W5M

Well Owner: Murry, D
Drilling Contractor: Parky's Consolidated Ltd.

Panky's Consolidated Ltd.

<table>
<thead>
<tr>
<th>General: Type of Work: New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
</tr>
<tr>
<td>Completed Depth 67.1 (m)</td>
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<tr>
<td>NPWL (m): 27.4 Verified NPWL (m):</td>
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<td>Abandonment:</td>
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<td>Casing: Type: Steel</td>
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<tr>
<td>Depth (m): 18.3 Bottom (m): 18.3</td>
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<tr>
<td>OD (mm): 141.2 Thickness (mm):</td>
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<tr>
<td>Seal Type: from (m): to</td>
</tr>
<tr>
<td>Liner: Type:</td>
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<tr>
<td>OD (mm): 114.3 Thickness (mm):</td>
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<tr>
<td>Top (m): Bottom (m): 56.1</td>
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<td>Perforated How: Not Applicable</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>Screen: Material:</td>
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<td>OD (mm): from (m): to Size:</td>
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<tr>
<td>from (m): to Size:</td>
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<td>Open Hole: from (m): to</td>
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<tr>
<td>Pump: Model: Intake (m): 54.9</td>
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<tr>
<td>Testing: Rate (lpm): 45.6 Time (minute): 60.0</td>
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<td>Level End (m): 48.8 Drawdown (m): 21.3</td>
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<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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<table>
<thead>
<tr>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>11.0 888.1 Clay</td>
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<tr>
<td>16.8 882.3 Sand Silty</td>
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<tr>
<td>20.1 878.9 Shale</td>
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<td>25.9 873.1 Shale Green</td>
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<td>28.0 871.0 Sandstone Blue</td>
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<td>30.2 868.9 Shale Mixed</td>
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<td>47.2 851.8 Sandstone Mixed</td>
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<td>54.9 844.2 Shale Blue</td>
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<tr>
<td>60.4 838.7 Sandstone Blue</td>
</tr>
<tr>
<td>67.1 832.0 Shale Blue</td>
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</tbody>
</table>

| Laboratory: pH (pH unit) COD Mercury |
| --- | --- |
| Cond. (μS/cm) SAR Nickel |
| TDS TKN Selenium |
| Sodium Nitrate Strontium |
| Potassium Nitrite Molybdenum |
| Calcium TN Vanadium |
| Magnesium TC Zinc |
| Carbonate DIC Hydroxide |
| Bicarbonate Arsenic Total Hardness |
| Aluminium Barium Manganese |
| Sulphate Beryllium Phosphate |
| Chloride Cadmium Ion Balance |
| Fluoride Chromium Amm. Nitrogen |
| Iron Cobalt Total Phosphate |
| TOC Copper Total Alkalinity |
| Silica Lead Nitrate&Nitrite N |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Remarks: Water Well Positioned by PFRA in 10TM NAD 27 |

<table>
<thead>
<tr>
<th>Depth Elevation (BGL) (AMSL)</th>
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<tbody>
<tr>
<td>m (m) Lithologic Description</td>
</tr>
<tr>
<td>11.0 888.1 Clay</td>
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<td>16.8 882.3 Sand Silty</td>
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<tr>
<td>60.4 838.7 Sandstone Blue</td>
</tr>
<tr>
<td>67.1 832.0 Shale Blue</td>
</tr>
</tbody>
</table>

| Electric Log: No Transmissivity: m²/day |
| --- | --- |
| Gamma Log: No Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes Well Field Verified: No |

printed on 2/20/98
01-14-051-08 W5M

Well Owner: Mohr, R
Drilling Contractor: Morrill’S Water Well Drilling Ltd.

Well Number: 06346

Elevation (AMSL) (m): 875
AEP: 423021
Licence No.: Easting: -3,903.78
Date Started: Northing: 5,814,034.50
Date Completed: 06 Jul 65

General:
- Type of Work: New Well
- Drilling Method: Auger
- Well Use: Domestic
- Completed Depth: 44.2 (m)
- NPWL (m): 38.1
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 5.5
- Bottom (m): 5.5
- OD (mm): 139.7
- Thickness (mm):
- Seal Type: from (m): to

Liner:
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 27.4
- Time (minute):
- Level End (m): 38.1
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silicona: Lead
-  
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 29.0 (m)
- **NPWL (m):** 19.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 27.7
- **Bottom (m):** 27.4
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to (m):**
- **Thickness (mm):**

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 182.4
- **Time (minute):** 60.0
- **Level End (m):**
- **Rec’d intake (m):** 24.4
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Magnesium:**
- **Calcium:**
- **Bicarbonate:**
- **Carbonate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**

### Well Field Verified:
- **No**

**Water Well Positioned by PFRA in 10TM NAD 27**

*Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.*
**Well Number: 06348**

**Well Owner:** Meggitt, R  
**Drilling Contractor:** Panky'S Consolidated Ltd.  

<table>
<thead>
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<th>SW 14-051-08 W5M</th>
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<tbody>
<tr>
<td><strong>General:</strong></td>
<td></td>
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<td>to</td>
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**Laboratory:**

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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Electric Log: No  
  - Transmissivity:  m³/day  
  - Storativity:  
- Gamma Log: No  
  - Aquifer Test: No
- AEP Data: Yes  
  - Database: 1.000H

**Printed on:** 2/20/98
Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Number: 06369

NE 22-051-08 W5M

Well Owner: Bush, W

Drilling Contractor: Morrill’s Water Well Drilling Ltd.

Elevation (AMSL) (m): 816
Licence No.: 423044
Date Started: -6,000.19
Date Completed: 11 Aug 73

Well Number: 06369

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth: 54.9 (m)
NPWL (m): 22.3 Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): 114.3 Thickness (mm):
Top (m): Bottom (m): 48.8
Perforated How: Unknown
from (m): 39.6 to 48.8 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Beatty
Intake (m): 47.6

Testing:
Rate (lpm): 73.0 Time (minute):
Level End (m): 25.3 Drawdown (m):
Rec'd intake (m): 31.7 Rec'd Rate (lpm):

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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
SE 22-051-08 W5M

Well Owner: Schenk, A
Drilling Contractor: Unknown Driller

Well Number: 06370
Elevation (AMSL) (m): 802
AEP: 423043
Licence No.: Easting: 5,795.46
Date Started: Northing: 5,816,360.50
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 4.0 (m)
NPWL (m): 4.0
Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
27 Jul 65
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS 372.0
TKN
Selenium
Sodium
Nitrate
Strontium
Potassium
Nitrite
Molybdenum
Calcium
TN
Vanadium
Magnesium
TC
Zinc
Carbonate
DIC
Hydroxide
Bicarbonate
Arsenic
Total Hardness 340.00
Aluminium
Barium
Manganese
 Sulphate 31.22
Beryllium
Phosphate
Chloride
Cadmium
Ion Balance
Fluoride
Chromium
Amm. Nitrogen
Iron 3.00
Cobalt
Total Phosphate
TOC
Copper
Total Alkalinity 300.0
Silica
Lead
Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 44.2 (m)
- **NPWL (m):** 4.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 43.6
- **Bottom (m):** 43.6
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 54.7
- **Time (minute):** 2700.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation (BGL) (AMSL):
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<td>44.2</td>
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### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 2700.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Electric Log: No  Transmissivity: m³/day
- **Gamma Log: No**  Storativity:
- **Aquifer Test: No**  Project: Database: 1.000H
- **AEP Data: Yes**  Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
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<td><strong>Rec'd Rate (lpm):</strong></td>
<td><strong>Shale &amp; Sandstone Medium Grain</strong></td>
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<td><strong>Bicarbonate:</strong></td>
<td><strong>Arsenic:</strong></td>
<td><strong>Shale Light Gray</strong></td>
</tr>
<tr>
<td><strong>Barium:</strong></td>
<td>Total Hardness</td>
<td><strong>Sandstone Light Gray</strong></td>
</tr>
<tr>
<td><strong>Aluminium:</strong></td>
<td>Manganese</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Sulphate:</strong></td>
<td>Phosphate</td>
<td><strong>Shale Light Gray</strong></td>
</tr>
<tr>
<td><strong>Chloride:</strong></td>
<td>Ion Balance</td>
<td><strong>Sandstone Silty</strong></td>
</tr>
<tr>
<td><strong>Fluoride:</strong></td>
<td>Chromium</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
<td>Amm. Nitrogen</td>
<td><strong>Sandstone Silty</strong></td>
</tr>
<tr>
<td><strong>TOC:</strong></td>
<td>Total Phosphate</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Silica:</strong></td>
<td>Copper</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Open Hole:</strong></td>
<td>Total Alkalinity</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td>from (m):</td>
<td>Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Intake (m):</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Testing:</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Rate (lpm):</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Well Use:</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Laboratory:</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>pH (pH unit):</strong></td>
<td>COD</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td>SAR</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
<td>TKN</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Nitrate:</strong></td>
<td>Selenium</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Potassium:</strong></td>
<td>Vanadium</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
<td>Molybdenum</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Magnesium:</strong></td>
<td>Zinc</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Carbonate:</strong></td>
<td>Hydroxide</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>Barium:</strong></td>
<td>Total Hardness</td>
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</tr>
<tr>
<td><strong>Aluminium:</strong></td>
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</tr>
<tr>
<td><strong>Chloride:</strong></td>
<td>Ion Balance</td>
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</tr>
<tr>
<td><strong>Fluoride:</strong></td>
<td>Chromium</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
<td>Amm. Nitrogen</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
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<td>Total Phosphate</td>
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<td>Copper</td>
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<tr>
<td><strong>Open Hole:</strong></td>
<td>Total Alkalinity</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td>from (m):</td>
<td>Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Intake (m):</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Testing:</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Rate (lpm):</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
<tr>
<td><strong>Well Use:</strong></td>
<td>from (m): Size:</td>
<td><strong>Shale &amp; Sandstone Medium Grained Gray</strong></td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Database:** Project: Database: 1.000H

**AEP Data:** Yes Well Field Verified: No

**Aquifer Test:** No

**Gamma Log:** Yes Storativity: m³/day

**Electric Log:** Yes Transmissivity: m³/day

**AEP:** 368716

**License No.:** Easting: -3,975.90

**Date Started:** Northing: 5816774.59

**Date Completed:** 16 Aug 74

**Project:**

**Remarks:**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 70.1 (m)
- **NPWL (m):** 37.2
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 53.6
- **Bottom (m):** 53.6
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 53.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 51.8
- **Bottom (m):** 70.1
- **Perforated How:** Machine
- **from (m):** to 70.1
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 51.8
- **Drawdown (m):** 14.6
- **Rec'd intake (m):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

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**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 12.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Bassani Plug 13 Mar 78

**Casing:**
- **Type:**
- **Depth (m):**
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **Material:**
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation**
- **(BGL) (AMSL) (m) (m)**

**Lithologic Description**
- **(No Lithologic Information Available)**

**AEP Data:** Yes  Well Field Verified: No
- **Database:** Project: 1.000H
- **Electric Log:** No Transmissivity: m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Project:**
- **AEP Data:** Yes  Well Field Verified: No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number:** 06374
- **Elevation (AMSL) (m):** 826
- **AEP:** 423048
- **Licence No.:**
- **Easting:** -3,567.74
- **Date Started:** 28 Feb 78
- **Northing:** 5,816,775.15
- **Date Completed:** 01 Mar 78
### General:

**Type of Work:** Flowing Shot Hole  
**Drilling Method:** Drilled  
**Well Use:** Industrial  
**Completed Depth:** 19.8 (m)  
**NPWL (m):**  
**Abandonment:** Unknown  
07 Aug 78

### Casing:

**Depth (m):** Bottom (m):  
**OD (mm):** Thickness (mm):  
**Seal Type:** from (m): to

### Liner:

**Type:** OD (mm): Thickness (mm):  
**Top (m):** Bottom (m):  
**Perforated How:** from (m): to Size:  
from (m): to Size:  
from (m): to Size:

### Screen:

**Material:** OD (mm):  
**from (m):** to Size:  
**from (m):** to Size:  
**from (m):** to Size:

### Open Hole:

**Pump:**  
**Intake (m):**  
**Testing:**  
**Rate (lpm):** Time (minute):  
**Level End (m):** Drawdown (m):  
**Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:

- pH (pH unit)  
- Cond. (µS/cm)  
- COD  
- SAR  
- TDS  
- TKN  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminium  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
- Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- Silica  
- Lead  
- Nitrate&Nitrite N

### Electric Log:

- No  
- Transmissivity: m³/day

### Gamma Log:

- No  
- Storativity:

### Aquifer Test:

- No  
- Project:

### AEP Data:

- Yes  
- Well Field Verified: No

### Water Well Positioned by Mow-Tech in 10TM NAD 27
**NE 24-051-08 W5M**

**Well Owner:** Bush, J  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m): 846**  
**AEP: 423049**  
**Licence No.:**  
**Easting: -2,306.70**  
**Northing: 5,917,138.00**  
**Date Started: 02 Sep 86**  
**Date Completed: 02 Sep 86**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth (m):** 51.5  
- **NPWL (m):** 21.3  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth (m):** 36.0  
  - **Bottom (m):** 36.0  
  - **OD (mm):** 141.2  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Driven  
  - **from (m):** to 36.0  
- **Liner:**
  - **Type:** Plastic  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Top (m):** 33.5  
  - **Bottom (m):** 51.5  
- **Perforated How:** Machine  
  - **from (m):** 39.6 to 51.5  
  - **Size:**  
    - **from (m):** to  
    - **Size:**  
- **Screen:**
  - **Material:**  
  - **OD (mm):**  
    - **from (m):** to  
    - **Size:**  
  - **from (m):** to  
  - **Size:**  
- **Open Hole:**  
  - **from (m):** to  
- **Pump:** Sub  
  - **Model:** Gould7eh07412  
  - **Intake (m):**
  - **Rate (lpm):** 91.2  
  - **Time (minute):** 240.0  
- **Testing:**
  - **Level End (m):** 33.5  
  - **Drawdown (m):** 12.2  
  - **Rec'd Rate (lpm):**
  - **Rec'd intake (m):**  
  - **Size:**  
    - **from (m):** to  
    - **Size:**  
    - **Size:**  
- **Laboratory:**
  - **pH (pH unit):**  
  - **Cond. (µS/cm):**  
  - **TDS:**  
  - **Sodium:**  
  - **Potassium:**  
  - **Calcium:**  
  - **Magnesium:**  
  - **Carbonate:**  
  - **bicarbonate:**  
  - **Aluminum:**  
  - **Barium:**  
  - **Sulphate:**  
  - **Beryllium:**  
  - **Chloride:**  
  - **Fluoride:**  
  - **Iron:**  
  - **TOC:**  
  - **Silica:**  
  - **pH (pH unit):**  
  - **COD:**  
  - **SAR:**  
  - **TKN:**  
  - **Nitrate:**  
  - **Selenium:**  
  - **Nitrite:**  
  - **Molybdenum:**  
  - **Barium:**  
  - **Manganese:**  
  - **Sulphate:**  
  - **Beryllium:**  
  - **Chloride:**  
  - **Fluoride:**  
  - **Iron:**  
  - **CO2:**  
  - **TOC:**  
  - **Silica:**  
  - **pH (pH unit):**  
  - **COD:**  
  - **SAR:**  
  - **TKN:**  
  - **Nitrate:**  
  - **Selenium:**  
  - **Nitrite:**  
  - **Molybdenum:**  
  - **Barium:**  
  - **Manganese:**  
  - **Sulphate:**  
  - **Beryllium:**  
  - **Chloride:**  
  - **Fluoride:**  
  - **Iron:**  
  - **CO2:**  
  - **TOC:**  
  - **Silica:**  
  - **pH (pH unit):**  
  - **COD:**  
  - **SAR:**  
  - **TKN:**  
  - **Nitrate:**  
  - **Selenium:**  
  - **Nitrite:**  
  - **Molybdenum:**  
  - **Barium:**  
  - **Manganese:**  
  - **Sulphate:**  
  - **Beryllium:**  
  - **Chloride:**  
  - **Fluoride:**  
  - **Iron:**  
  - **CO2:**  
  - **TOC:**  
  - **Silica:**
  - **Electric Log:** No  
  - **Transmissivity:** m³/day  
  - **Gamma Log:** No  
  - **Storativity:**  
  - **Aquifer Test:** No  
  - **Project:** Database: 1.000H  
  - **AEP Data:** Yes  
  - **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Water Well Positioned by PFRA in 10TM NAD 27**

**printed on 2/20/98**
**NE 24-051-08 W5M**

**Well Number:** 06377

**Well Owner:** Vanderwell, W

Drilling Contractor: Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 846  
**AEP:** 423050

**Licence No.:** Easting: -2,306.70  
**Date Started:** 07 Jun 89  
**Northing:** 5,917,138.00  
**Date Completed:** 07 Jun 89

### General:

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic &amp; Stock</td>
</tr>
<tr>
<td>Completed Depth:</td>
<td>45.1 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>16.5</td>
</tr>
<tr>
<td>Verified NPWL (m):</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

### Casing:

**Type:** Plastic  
**Depth (m):** 36.9  
**Bottom (m):** 36.9  
**OD (mm):** 139.7  
**Thickness (mm):** 0.1  
**Seal Type:** Formation Packer  
**from (m):** to 36.9

### Liner:

**Type:** |  
**OD (mm):** 114.3  
**Thickness (mm):** 0.1  
**Top (m):** 35.4  
**Bottom (m):** 45.1  
**Perforated How:** Machine  
**from (m):** to 45.1  
**Size:** |

### Screen:

**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**

### Open Hole:

**from (m):** to

### Pump:

**Model:**  
**Intake (m):**

### Testing:

**Rate (lpm):** 136.8  
**Time (minute):** 120.0  
**Level End (m):** 27.4  
**Drawdown (m):** 11.0  
**Rec'd Rate (lpm):** 30.5  
**Rec'd intake (m):**

### Laboratory:

| pH (pH unit) |  |  |
| Cond. (µS/cm) |  |  |
| TDS |  |  |
| Sodium |  |  |
| Nitrate |  |  |
| Strontium |  |  |
| Potassium |  |  |
| Nitrite |  |  |
| Molybdenum |  |  |
| Calcium |  |  |
| TN |  |  |
| Vanadium |  |  |
| Magnesium |  |  |
| TC |  |  |
| Zinc |  |  |
| Carbonate |  |  |
| DIC |  |  |
| Hydroxide |  |  |
| Bicarbonate |  |  |
| Arsenic |  |  |
| Total Hardness |  |  |
| Aluminum |  |  |
| Barium |  |  |
| Manganese |  |  |
| Sulphate |  |  |
| Beryllium |  |  |
| Phosphate |  |  |
| Chloride |  |  |
| Cadmium |  |  |
| Ion Balance |  |  |
| Fluoride |  |  |
| Chromium |  |  |
| Amm. Nitrogen |  |  |
| Iron |  |  |
| Cobalt |  |  |
| Total Phosphate |  |  |
| TOC |  |  |
| Copper |  |  |
| Total Alkalinity |  |  |
| Silica |  |  |
| Lead |  |  |
| Nitrate & Nitrite |  |  |

### Electric Log:

**Transmissivity:** m²/day  
**Gamma Log:** Storativity:

**Aquifer Test:**  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
NW 24-051-08 W5M

Well Owner: Chambers, F
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Elevation (AMSL) (m): 818
Licence No.: 818
Date Started: 07 Jul 70
AEP: 423047
Easting: -3,648.29
Northing: 5,917,127.00
Date Completed: 07 Jul 70

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth: 24.4 (m)
NPWL (m): .0
Verified NPWL (m):
Abandonment:

Casing:
Type: Stainless Steel
Depth (m): 16.5
Bottom (m): 16.5
OD (mm): 139.7
Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): 114.3
Top (m): Bottom (m): 22.3
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 273.6
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project:
Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 24-051-08 W5M**

**Well Owner:** Mortimer, Eric

Drilling Contractor: Morrill’S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 860

**AEP:** 406035

**Licence No.:**

**Easting:** -2,437.70

**Northing:** 5,915,915.50

**Date Started:** 01 May 95

**Date Completed:** 01 May 95

---

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<tr>
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<th>Depth Elevation (BGL) (AMSL)</th>
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<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
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<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Lithologic Description</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>(m)</strong></td>
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<tr>
<td><strong>Completed Depth:</strong> 51.2</td>
<td>Clay Sandy Brown</td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 41.2</td>
<td>Clay Sandy Gray</td>
</tr>
<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td>Shale Gray</td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td>Clay Sandy Gray</td>
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<tr>
<td><strong>Type:</strong> Plastic</td>
<td>Sand Loose Brown</td>
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<tr>
<td><strong>Depth (m):</strong> 39.3</td>
<td><strong>(m):</strong> 51.2</td>
</tr>
<tr>
<td><strong>OD (mm):</strong> 139.7</td>
<td>Shale Gray</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<tr>
<td><strong>Seal Type:</strong> Driven</td>
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<td><strong>Plastic</strong></td>
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<td><strong>Linier:</strong></td>
<td>30.8</td>
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<td><strong>Type:</strong> Driven</td>
<td>Sand Brown</td>
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<td><strong>OD (mm):</strong> 114.3</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
<td>Sand Fine Grained Gray</td>
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<td><strong>Top (m):</strong> 38.1</td>
<td>Shale Gray</td>
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<td><strong>Bottom (m):</strong> 51.2</td>
<td>Shale Green</td>
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<tr>
<td><strong>Perforated How:</strong> Machine</td>
<td><strong>Lost Circulation</strong></td>
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<td><strong>from (m):</strong> to 51.2</td>
<td><strong>Sand</strong></td>
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<tr>
<td><strong>Size:</strong></td>
<td><strong>Machine</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>39.3</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>39.3</strong></td>
</tr>
<tr>
<td><strong>Screen:</strong></td>
<td><strong>39.3</strong></td>
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<tr>
<td><strong>Material:</strong></td>
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<td><strong>OD (mm):</strong></td>
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<td><strong>from (m):</strong> to</td>
<td><strong>39.3</strong></td>
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<td><strong>Liner:</strong></td>
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<td><strong>OD (mm):</strong> 38.1</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<td><strong>Top (m):</strong> 38.1</td>
<td><strong>39.3</strong></td>
</tr>
<tr>
<td><strong>Bottom (m):</strong> 51.2</td>
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<td><strong>Perforated How:</strong> Machine</td>
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<tr>
<td><strong>from (m):</strong> to 51.2</td>
<td><strong>39.3</strong></td>
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<tr>
<td><strong>Size:</strong></td>
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<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>39.3</strong></td>
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<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>39.3</strong></td>
</tr>
<tr>
<td><strong>Open Hole:</strong></td>
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<tr>
<td><strong>from (m):</strong> to</td>
<td><strong>39.3</strong></td>
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<tr>
<td><strong>Pump:</strong></td>
<td><strong>39.3</strong></td>
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<tr>
<td><strong>Model:</strong></td>
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<tr>
<td><strong>Intake (m):</strong> 45.7</td>
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<td><strong>Rec’d intake (m):</strong> 48.8</td>
<td><strong>Rec’d Rate (lpm):</strong> 45.6</td>
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---

**Laboratory:**

| **pH (pH unit)** | **COD** | **Mercury** |
| **Cond. (µS/cm)** | **SAR** | **Nickel** |
| **TDS** | **TKN** | **Selenium** |
| **Sodium** | **Nitrate** | **Strontium** |
| **Potassium** | **Nitrite** | **Molybdenum** |
| **Calcium** | **TN** | **Vanadium** |
| **Magnesium** | **TC** | **Zinc** |
| **Carbonate** | **DIC** | **Hydroxide** |
| **Bicarbonate** | **Arsenic** | **Total Hardness** |
| **Aluminum** | **Barium** | **Manganese** |
| **Sulphate** | **Beryllium** | **Phosphate** |
| **Chloride** | **Cadium** | **Ion Balance** |
| **Fluoride** | **Chromium** | **Amm. Nitrogen** |
| **Iron** | **Cobalt** | **Total Phosphate** |
| **TOC** | **Copper** | **Total Alkalinity** |
| **Silica** | **Lead** | **Nitrato N** |

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H

**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No
**06-25-051-08 W5M**

Well Owner: #115
Drilling Contractor: Unknown Driller

**Well Number 06380**

**Elevation (AMSL) (m):** 818  
**AEP:** 423068  
**Licence No.:** Easting: 3,158.58  
**Date Started:** 17 Aug 78  
**Northing:** 5,917,587.13  
**Date Completed:** 22 Aug 78

---

### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 18.3 (m)
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:** Plug & Cement 02 Sep 78

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Strontium  
- **Aluminum:** Manganese  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

**printed on 2/20/98**
**General:**
- Type of Work: Flowing Shot Hole
- Drilling Method: Drilled
- Well Use: Industrial
- Completed Depth: 18.3 m
- Abandonment: Plug & Cement 02 Sep 78

**Casing:**
- Type: Depth (m): Bottom (m): OD (mm): Thickness (mm): Seal Type: from (m): to (No Lithologic Information Available)

**Screen:**
- Material: OD (mm): from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): Rate (lpm): Time (minute):
- Level End (m): Drawdown (m): Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD: Mercury
- Cond. (μS/cm): SAR: Nickel
- TDS: TKN: Selenium
- Sodium: Nitrate: Strontium
- Potassium: Nitrite: Molybdenum
- Calcium: TN: Vanadium
- Magnesium: TC: Zinc
- Carbonate: DIC: Hydroxide
- Bicarbonate: Arsenic: Total Hardness
- Aluminium: Barium: Manganese
- Sulphate: Beryllium: Phosphate
- Chloride: Cadmium: Ion Balance
- Fluoride: Chromium: Amm. Nitrogen
- Iron: Cobalt: Total Phosphate
- TOC: Copper: Total Alkalinity
- Silica: Lead: Nitrate&Nitrite N

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

**Well Number: 06381**

**Well Owner:** #116

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m): 818**

**AEP:** 423066

**Date Started:** 17 Aug 78

**Date Completed:** 22 Aug 78

**Licence No.:**

**Easting:** -3,158.58

**Northing:** 5,917.587.13

**AEP Data:** Yes

**Well Field Verified:** No

**Database:** 1.000H

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 06382

**Well Owner:** #130

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 818

**AEP:** 423064

**Date Started:** 18 Aug 78

**Date Completed:** 23 Aug 78

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<td>NPWL (m):</td>
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<td>Abandonment: Plug &amp; Cement 02 Sep 78</td>
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<tbody>
<tr>
<td>Type:</td>
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<td>Depth (m): Bottom (m):</td>
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<tr>
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<td>OD (mm): Thickness (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
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</tr>
<tr>
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<th><strong>Screen:</strong></th>
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<tr>
<td>Material:</td>
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<tr>
<td>OD (mm):</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<tbody>
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<td>from (m): to</td>
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<th><strong>Pump:</strong></th>
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**Testing:**

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<td>Level End (m): Drawdown (m):</td>
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<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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**Laboratory:**

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<th>pH (pH unit)</th>
<th>COD</th>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>Gamma Log: No</td>
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<td>Aquifer Test: No</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 18.3 m
  - NPWL (m): Veried NPWL (m): 
- **Abandonment:** Plug & Cement 02 Sep 78

**Casing:**
- **Type:** 
- **Depth (m):** Bottom (m): 
- **OD (mm):** Thickness (mm): 
- **Seal Type:** from (m): to

**Liner:**
- **Type:** 
- **OD (mm):** Thickness (mm): 
- **Top (m):** Bottom (m): 
- **Perforated How:** from (m): to Size: 
- from (m): to Size: 
- from (m): to Size:

**Screen:**
- **Material:** 
- **OD (mm):** from (m): to Size: 
- from (m): to Size: 

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** 
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute): 
- **Level End (m):** Drawdown (m): 
- **Rec’d intake (m):** Rec’d Rate (lpm): 

**Laboratory:**
- **pH (pH unit):** COD Mercury 
- **Cond. (µS/cm):** SAR Nickel 
- **TDS:** TKN Selenium 
- **Sodium:** Nitrate Strontium 
- **Potassium:** Nitrite Molybdenum 
- **Calcium:** TN Vanadium 
- **Magnesium:** TC Zinc 
- **Carbonate:** DIC Hydroxide 
- **Bicarbonate:** Arsenic Total Hardness 
- **Aluminum:** Barium Manganese 
- **Sulphate:** Beryllium Phosphate 
- **Chloride:** Cadmium Ion Balance 
- **Fluoride:** Chromium Amm. Nitrogen 
- **Iron:** Cobalt Total Phosphate 
- **TOC:** Copper Total Alkalinity 
- **Silica:** Lead Nitrate & Nitrite:

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation**
- **(BGL) (AMSL)**
  - **(m) (m)**

**Lithologic Description**
- *(No Lithologic Information Available)*

**Chemical Constituents are in mg/l (ppm). Except as noted.*

**Electric Log:** No **Transmissivity:** m²/day  
**Gamma Log:** No **Storativity:**  
**Aquifer Test:** No **Project:** Database: 1.000H  
**AEP Data:** Yes **Well Field Verified:** No
Water Well Positioned by Mow-Tech in 10TM NAD 27

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<tbody>
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<td>Cond. (µS/cm)</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</table>

| Testing                     |   |
| Rate (lpm):                 |   |
| Time (minute):              |   |
| Level End (m):              |   |
| Rec'd intake (m):           |   |
| Rec'd Rate (lpm):           |   |

| Electric Log: No            |   |
| Gamma Log: No               |   |
| Aquifer Test: No            |   |
| AEP Data: Yes               |   |
| Database: 1.000H            |   |

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:

- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 18.3 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Plug & Cement
- **Date Completed:** 02 Sep 78

## Casing:

<table>
<thead>
<tr>
<th>Type</th>
<th>Depth (m)</th>
<th>Bottom (m)</th>
<th>Thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Seal Type</th>
<th>from (m)</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
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## Liner:

<table>
<thead>
<tr>
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<th>OD (mm)</th>
<th>Thickness (mm)</th>
<th>Top (m)</th>
<th>Bottom (m)</th>
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<tbody>
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<table>
<thead>
<tr>
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<th>from (m)</th>
<th>to</th>
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<tr>
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## Screen:

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<th>from (m)</th>
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<tbody>
<tr>
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## Open Hole:

<table>
<thead>
<tr>
<th>from (m)</th>
<th>to</th>
</tr>
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<tbody>
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## Pump:

- **Model:**
- **Intake (m):**

## Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

## Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number:** 06385

- **Well Owner:** #133
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 818
- **AEP:** 423070
- **Licence No.:**
- **Date Started:** 18 Aug 78
- **Easting:** -3,158.58
- **No. 5917,587.13**
- **Date Completed:** 23 Aug 78

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

---

**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
Well Number: 06386

Well Owner: Amoco #193
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 816  AEP: 423002
Licence No.: 18 Feb 78  Easting: -2,953.84
Date Started: 18 Feb 78  Northing: 5,917,790.96
Date Completed: 18 Feb 78

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<td>(BGL) (AMSL)</td>
<td>(m) (m)</td>
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<td><strong>Lithologic Description</strong></td>
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<td>Well Use: Industrial</td>
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<td>Completed Depth 18.3 (m)</td>
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<tr>
<td>NPWL (m):</td>
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<tr>
<td>Verified NPWL (m):</td>
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<td></td>
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<td>Abandonment: Plug &amp; Cement 20 Feb 78</td>
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<td>Depth (m):</td>
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<td>from (m): to</td>
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<td>Top (m):</td>
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<td>from (m): to</td>
<td>Size:</td>
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<tr>
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<td>Size:</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
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<td>from (m): to</td>
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<thead>
<tr>
<th>Pump:</th>
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<tbody>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
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<table>
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<tr>
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<td>Time (minute):</td>
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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<tr>
<td>pH (pH unit):</td>
<td>COD</td>
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<td>Cond. (µS/cm):</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>TOC</td>
<td>Copper</td>
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<td>Silica</td>
<td>Lead</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

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<tr>
<th>Remarks:</th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tbody>
<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<td>Aquifer Test: No</td>
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<td>Project:</td>
<td>Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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Water Well Positioned by Mow-Tech in 10TM NAD 27
Water Well Positioned by Mow-Tech in 10TM NAD 27

<table>
<thead>
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<th>Laboratory:</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
<td>TKN</td>
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<tr>
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<td>Cadmium</td>
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<tr>
<td>Fluoride</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

| Remarks: |

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<th>Electrical Test:</th>
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<th>Storativity:</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Aquifer Test:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

| Project: Database: |
| --- --- |
| 1.000H |

| AEP Data: Well Field Verified: |
| --- --- |
| Yes No |

| Drilling Contractor: Unknown Driller |

| Well Owner: Amoco #197 |

| Well Number: 06387 |

| Well Use: Industrial |

| Well Use: Drilled |

| Completion: Plug & Cement |

| Completion: 20 Feb 78 |

| Lithologic Description: |

| Lithologic Description: |

(No Lithologic Information Available)
**06-25-051-08 W5M**

**Well Owner:** Amoco #275  
**Drilling Contractor:** Unknown Driller

**Well Number:** 06388  
**Elevation (AMSL) (m):** 818  
**Licence No.:** Easting: -3,158.58  
**Date Started:** 07 Jul 80  
**Date Completed:** 19 Jul 80

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<tr>
<th>General</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> Flowing Shot Hole</td>
<td>(m) (m)</td>
<td></td>
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<tr>
<td><strong>Drilling Method:</strong> Drilled</td>
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<tr>
<td><strong>Well Use:</strong> Industrial</td>
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<td></td>
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<tr>
<td><strong>Completed Depth:</strong> 17.1 (m)</td>
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<tr>
<td><strong>NPWL (m):</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Abandonment:</strong> Bassani Plug</td>
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</table>

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Printed on:** 2/20/98
Well Number: 06389

Well Owner: Amoco #277
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 818
AEP: 423069
Licence No.: Easting: -3,158.58
Date Started: 07 Jul 80 Northing: 5,917,587.13
Date Completed: 04 Aug 80

**General:**
- Type of Work: Flowing Shot Hole
- Drilling Method: Drilled
- Well Use: Industrial
- Completed Depth: 18.0 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment: Bassani Plug 19 Aug 80

**Casing:**
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- Thickness (mm):
- from (m): to

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to
- from (m): to
- from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silicon: Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Electric Log: No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No Project:
- AEP Data: Yes Well Field Verified: No

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial

**Completed Depth:** 18.0 (m)
- **NPWL (m):**
- **Verified NPWL (m):**

**Abandonment:** Bassani Plug 19 Aug 80

**Casing:**
- **Type:**
  - **Depth (m):**
  - **OD (mm):**
  - **Seal Type:**
    - **from (m):** to

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Top (m):**
  - **Bottom (m):**
  - **Perforated How:**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Bicarbonate:**
- **Carbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number 06390**

**Well Owner:** Amoco #279

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 818
- **AEP:** 423063
- **Date Started:** 23 Jul 80
- **Easting:** -3,158.58
- **Northing:** 5,917,587.13
- **Date Completed:** 04 Aug 80

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
# General Information

**Type of Work:** Flowing Shot Hole  
**Drilling Method:** Drilled  
**Well Use:** Industrial  
**Completed Depth:** 24.4 m  
**NPWL (m):**  
**Veriﬁed NPWL (m):**  
**Abandonment:** Bassani Plug  
**Date Completed:** 17 Aug 73

## Casing

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<th>Casing Details</th>
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<th>Thickness (mm)</th>
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<tr>
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<tr>
<td>OD (mm):</td>
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<td></td>
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<tr>
<td>Seal:</td>
<td>from (m):</td>
<td>to</td>
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## Liner

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<th>Thickness (mm):</th>
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<td></td>
</tr>
<tr>
<td>Top (m):</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Perforated How:</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td></td>
<td>from (m):</td>
<td>to</td>
</tr>
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</table>

## Screen

<table>
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<tr>
<th>Screen Details</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tbody>
<tr>
<td>Material:</td>
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<td>to</td>
</tr>
<tr>
<td></td>
<td>from (m):</td>
<td>to</td>
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</table>

## Open Hole

<table>
<thead>
<tr>
<th>Open Hole Details</th>
<th>from (m):</th>
<th>to</th>
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## Pump

<table>
<thead>
<tr>
<th>Pump Details</th>
<th>Intake (m):</th>
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## Testing

<table>
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<th>Time (minute):</th>
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<tbody>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
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</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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## Laboratory Analysis

<table>
<thead>
<tr>
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<th>Value</th>
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<tr>
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<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
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<tr>
<td>Potassium</td>
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<td></td>
<td></td>
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<tr>
<td>Magnesium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbonate</td>
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<td></td>
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<tr>
<td>Bicarbonate</td>
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<td>Aluminium</td>
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<tr>
<td>Sulphate</td>
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<td>Chloride</td>
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<td>Fluoride</td>
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<td></td>
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<td>Iron</td>
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<td>Silica</td>
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<tr>
<td>SAR</td>
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</tr>
<tr>
<td>TKN</td>
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<tr>
<td>Nitrate</td>
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<td></td>
</tr>
<tr>
<td>Strontium</td>
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<tr>
<td>Nitride</td>
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<tr>
<td>Molybdenum</td>
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<td>Magnesium</td>
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<tr>
<td>Zinc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Hardness</td>
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<td>Ion Balance</td>
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<td>Hydroxide</td>
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<tr>
<td>Total Alkalinity</td>
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</tr>
<tr>
<td>Amm. Nitrogen</td>
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</tr>
<tr>
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<tr>
<td>Copper</td>
<td></td>
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<td>Phosphate</td>
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<tr>
<td>Lithium</td>
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<td>Potassium</td>
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<td></td>
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<tr>
<td>Strontium</td>
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<td></td>
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<tr>
<td>Arsenic</td>
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<tr>
<td>Total Alkalinity</td>
<td></td>
<td></td>
</tr>
<tr>
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<tr>
<td>Beryllium</td>
<td></td>
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</tr>
<tr>
<td>Ammonium Nitrogen</td>
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<td></td>
</tr>
<tr>
<td>Manganese</td>
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<tr>
<td>Phosphate</td>
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## Electric Log

<table>
<thead>
<tr>
<th>Transmissivity:</th>
<th>m²/day</th>
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</thead>
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## Gamma Log

<table>
<thead>
<tr>
<th>Storativity:</th>
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## Aquifer Test

<table>
<thead>
<tr>
<th>Rec'd Rate:</th>
<th>lpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rec'd intake:</td>
<td>m</td>
</tr>
</tbody>
</table>

## Remarks

- Water Well Positioned by Mow-Tech in 10TM NAD 27
02-25-051-08 W5M

Well Number: 06392

Well Owner: Amoco #300
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 834
Licence No.: Easting: -2,758.50
Date Started: 25 Jul 73
Northing: 5,917,193.99
Date Completed: 30 Jul 73

General:
- Type of Work: Flowing Shot Hole
- Drilling Method: Drilled
- Well Use: Industrial
- Completed Depth: 24.4 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment: Bassani Plug 17 Aug 73

Casing:
- Type:
  - Depth (m):
  - OD (mm):
  - Seal Type:
    - from (m): to

Liner:
- Type:
  - OD (mm):
  - Top (m):
    - Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:

Screen:
- Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec’d intake (m):

Laboratory:
- pH (pH unit): COD
  - Cond. (µS/cm): SAR
  - TDS: TKN
  - Sodium: Nitrate
  - Potassium: Nitrite
  - Calcium: TN
  - Magnesium: TC
  - Carbonate: DIC
  - Bicarbonate: Arsenic
  - Aluminium: Barium
  - Sulphate: Beryllium
  - Chloride: Cadmium
  - Fluoride: Chromium
  - Iron: Cobalt
  - TOC: Copper
  - Silica: Lead

- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
<td></td>
</tr>
</tbody>
</table>

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No   | Storativity:           |
| Aquifer Test: No| Project: Database: 1.000H |
| AEP Data: Yes   | Well Field Verified: No |

printed on 2/20/98
**09-25-051-08 W5M**

**Well Owner:** Balfour, R

**Drilling Contractor:** Darragh Lee

---

**Well Number:** 06393

**Elevation (AMSL) (m):** 819

**AEP:** 423075

**Licence No.:** Easting: -2,395.17

**Date Started:** 23 Apr 80

**Northing:** 5,916,073.00

**Date Completed:** 24 Apr 80

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<table>
<thead>
<tr>
<th>General:</th>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>45.7</td>
<td>814.4</td>
<td>Clay Brown</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td></td>
<td>9.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic &amp; Stock</td>
<td>114.3</td>
<td>807.4</td>
<td>Sandstone Brown</td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 45.7 (m)</td>
<td></td>
<td>15.2</td>
<td>Shale Blue</td>
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<tr>
<td><strong>NPWL (m):</strong> 18.3</td>
<td></td>
<td>22.9</td>
<td>Shale Gray</td>
</tr>
<tr>
<td><strong>Verify NPWL (m):</strong></td>
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<td>32.0</td>
<td>Shale Blue</td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td></td>
<td>33.5</td>
<td>Shale Water Bearing</td>
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<tr>
<td><strong>Date Started:</strong></td>
<td></td>
<td>38.1</td>
<td>Shale Blue</td>
</tr>
<tr>
<td></td>
<td></td>
<td>42.7</td>
<td>Shale Water Bearing</td>
</tr>
<tr>
<td><strong>Date Completed:</strong></td>
<td></td>
<td>44.2</td>
<td>Shale Blue</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.7</td>
<td>Shale Water Bearing</td>
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**Casing:**

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<tr>
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<th><strong>Depth (m):</strong> 39.0</th>
<th><strong>Bottom (m):</strong> 39.0</th>
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<tbody>
<tr>
<td><strong>OD (mm):</strong> 114.3</td>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<tr>
<td><strong>Seal Type:</strong> Driven</td>
<td>from (m): to 32.0</td>
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**Liner:**

<table>
<thead>
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<th>Type:</th>
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<th><strong>Thickness (mm):</strong></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Top (m): Bottom (m):</td>
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</tr>
<tr>
<td><strong>Perforated How:</strong></td>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td></td>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td></td>
<td>from (m): to</td>
<td>Size:</td>
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**Screen:**

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<th><strong>OD (mm):</strong></th>
<th><strong>Thickness (mm):</strong></th>
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<td><strong>Perforated How:</strong></td>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td></td>
<td>from (m): to</td>
<td>Size:</td>
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**Open Hole:**

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**Pump:**

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<tr>
<th>Model:</th>
<th>Intake (m):</th>
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<tr>
<td><strong>Rate (lpm):</strong> 18.2</td>
<td>Time (minute): 540.0</td>
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<td><strong>Level End (m):</strong> 35.0</td>
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<tr>
<td><strong>Rec'd intake (m):</strong> 38.1</td>
<td><strong>Rec'd Rate (lpm):</strong> 18.2</td>
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**Laboratory:**

<table>
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<tr>
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<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS:</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium:</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium:</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium:</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Magnesium:</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Carbonate:</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Bicarbonate:</td>
<td>Barium</td>
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<td>Aluminum:</td>
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<td>Sulphate:</td>
<td>Cadmium</td>
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<td>Chloride:</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
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<tr>
<td>Iron:</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>TOC:</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<td>Silica:</td>
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</table>

Electric Log: No | Transmissivity: m²/day |
Gamma Log: No | Storativity: |
Aquifer Test: No | Project: Database: 1.000H |
AEP Data: Yes | Well Field Verified: No |

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Printed on:** 2/20/98
### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 22.9 m
- **NPWL (m):**
- **Abandonment:** Bassani Plug 08 Aug 77

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

### Depth Elevation (BGL) (AMSL)

<table>
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<tr>
<th>m</th>
<th>(m)</th>
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<tbody>
<tr>
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<td>(No Lithologic Information Available)</td>
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### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No
**08-25-051-08 W5M**

**Well Number: 06395**

**Well Owner:** **Chevron #314**  
**Drilling Contractor:** **Unknown Driller**

**General:**
- **Type of Work:** *Flowing Shot Hole*
- **Drilling Method:** Drilled  
- **Well Use:** Industrial

**Completed Depth:** 22.9 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:** *Bassani Plug* 08 Aug 77

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

**Screen:**
- **Material:**  
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**Electrical Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No

**Project:**  
**Database:** 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number: 06396**

**Well Owner:** Chevron #315  
**Drilling Contractor:** Unknown Driller

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<td>Elevation (AMS L) (m):</td>
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<td>Drilling Method: Drilled</td>
<td>AEP:</td>
<td>423078</td>
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<td>Well Use: Industrial</td>
<td>Licence No.:</td>
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<tr>
<td>Completed Depth: 22.9 (m)</td>
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<tr>
<td>NPWL (m):</td>
<td>Northing:</td>
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<td>Verified NPWL (m):</td>
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<tr>
<td>Abandonment: Bassani Plug</td>
<td>Date Completed:</td>
<td>08 Aug 77</td>
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**Casing:**

<table>
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<tr>
<th>Type:</th>
<th>Depth (m):</th>
<th>Bottom (m):</th>
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</thead>
<tbody>
<tr>
<td>Seal Type:</td>
<td>Thickness (mm):</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
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**Liner:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
<td></td>
</tr>
<tr>
<td>Perforated How:</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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**Screen:**

<table>
<thead>
<tr>
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<th>Thickness (mm):</th>
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<tbody>
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<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>Open Hole:</td>
<td>from (m):</td>
<td>to</td>
</tr>
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**Pump:**

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
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**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>TOCOM</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<table>
<thead>
<tr>
<th>Electric Log:</th>
<th>Transmissivity:</th>
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<tbody>
<tr>
<td>Gamma Log:</td>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test:</td>
<td>Project:</td>
</tr>
<tr>
<td>AEP Data:</td>
<td>Database: 1.000H</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 06397

**Well Owner:** Norcen #143

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 814

**AEP:** 423059

**Licence No.:** Easting: -3,556.31

**Date Started:** 28 Feb 78

**Northing:** 5,917,598.28

**Date Completed:** 01 Mar 78

---

### General:

- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 18.3 (m)
- **NPWL (m):** Veried NPWL (m):
- **Abandonment:** Bassani Plug 13 Mar 78

### Casing:

- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

### Liner:

- **Type:**
  - OD (mm):
  - Top (m):
  - Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:

- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:

- from (m): to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Aluminium:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log: No

### Gamma Log: No

### Aquifer Test: No

### Project: Database: 1.000H

### AEP Data: Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

printed on 2/20/98
Well Number: 06398

Well Owner: Norcen #147
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 814
Licence No.: Easting: -3,556.31
Date Started: 28 Feb 78
Northing: 5,917,598.28
Date Completed: 01 Mar 78

General:
Type of Work: Flowing Shot Hole
Drilling Method: Drilled
Well Use: Industrial
Completed Depth: 18.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Bassani Plug 13 Mar 78

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):

Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):

from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
General:
Type of Work: Flowing Shot Hole
Drilling Method: Drilled
Well Use: Industrial
Completed Depth: 18.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Bassani Plug 13 Mar 78

Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
### General
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 18.3 (m)
- **NPWL:** (m)
- **Abandonment:** Bassani Plug
- **Date Completed:** 12 Mar 78

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole
- **from (m):**

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:** Water Well Positioned by Mow-Tech in 10TM NAD 27

**Printed on:** 2/20/98
**Well Number: 06401**

**Well Owner:** Norcen #246  
**Drilling Contractor:** Unknown Driller

| Well Use: | Industrial |
| Date Started: | 27 Feb 78 |
| Date Completed: | 28 Feb 78 |

**Depth and Elevation:**

<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.3</td>
<td>5,918,006.27</td>
</tr>
</tbody>
</table>

**Lithologic Description:**

| Type of Work | Flowing Shot Hole |
| Well Use | Industrial |
| Casing: | Norcasi Plug |
| Date | 12 Mar 78 |

**Casing:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Depth (m): Bottom (m):</th>
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</thead>
<tbody>
<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
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<tr>
<td>from (m): to</td>
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**Liner:**

<table>
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<tr>
<th>Type</th>
<th>OD (mm): Thickness (mm):</th>
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</thead>
<tbody>
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<tr>
<td>Perforated How:</td>
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<tr>
<td>from (m): to Size:</td>
<td></td>
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<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
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**Screen:**

| Material: | |
| OD (mm): | |
| from (m): to Size: | |
| from (m): to Size: | |

**Open Hole:**

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<thead>
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<td>Thickness (mm): OD (mm):</td>
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**Perforated How:**

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<th>Size: from (m): to</th>
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<tbody>
<tr>
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</tr>
</tbody>
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**Screen:**

| Material: | |
| OD (mm): | |
| Size: from (m): to | |
| from (m): to Size: | |

**Open Hole:**

<table>
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<th>Depth (m): to</th>
<th>Depth (m): to</th>
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<tbody>
<tr>
<td>Thickness (mm): OD (mm):</td>
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<tr>
<td>Seal Type:</td>
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</tbody>
</table>

| Well Use: | Industrial |
| Abandonment: | Bassani Plug |
| Date | 12 Mar 78 |

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: | Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

printed on 2/20/98
Well Number: 06402

Well Owner: Norcen #436
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 834
Licence No.: 423053
Date Started: 14 Dec 78
Date Completed: Easting: -2,758.50
Northing: 5,917,193.99

General:
Type of Work: Flowing Shot Hole
Drilling Method: Drilled
Well Use: Industrial
Completed Depth: 18.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Bassani Plug 15 Dec 78

Casing:
Type:
Depth (m):
OD (mm):
SD (mm):
Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Electric Log: No
Gamma Log: No
Aquifer Test: No
Project: 1.000H
AEP Data: Yes
Well FieldVerified: No

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
01-25-051-08 W5M

Well Owner: Pipke, E
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Well Number: 06403
Elevation (AMSL) (m): 836
AEP: 423052
Licence No.: 2,393.44
Date Started: Easting: -2,393.44
Date Completed: 21 Nov 70
Northing: 5,917,431.50

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
<td>3.1</td>
</tr>
<tr>
<td>Well Use: Stock</td>
<td></td>
<td>24.4</td>
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<tr>
<td>Completed Depth 44.2 (m)</td>
<td></td>
<td>27.4</td>
</tr>
<tr>
<td>NPWL (m): 13.7</td>
<td></td>
<td>44.2</td>
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<tr>
<td>Abandonment:</td>
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<td>1.000H</td>
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<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tbody>
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<td>Type: Galvanized Steel</td>
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<td>Gamma Log: No</td>
<td>Storativity:</td>
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<tr>
<td>Depth (m): 24.4</td>
<td>Bottom (m): 24.4</td>
<td>Aquifer Test: No</td>
<td></td>
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<td>OD (mm): 114.3</td>
<td>Thickness (mm):</td>
<td>Project:</td>
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<tr>
<td>Seal Type:</td>
<td></td>
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</tr>
<tr>
<td>from (m): to</td>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Liner:</th>
<th></th>
<th>Remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
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<td></td>
</tr>
<tr>
<td>Top (m):</td>
<td></td>
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</tr>
<tr>
<td>Perforated How:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Screen:</th>
<th></th>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material:</td>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>from (m): to</td>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Calcium</td>
<td>TN</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
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### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 11.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Bassani Plug

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **Thickness (mm):** from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No Transmissivity:** m³/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No Project:
- **Database:** 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
**10-25-051-08 W5M**

**Well Owner:** Shell #442  
**Drilling Contractor:** Unknown Driller

**Well Number 06405**

**Elevation (AMSL) (m):** 815  
**AEP:** 423079  
**Licence No.:** 815  
**Date Started:** 11 Feb 78  
**Date Completed:** 12 Apr 78

**General:**
- **Type of Work:** Flowing Shot Hole  
- **Well Use:** Industrial  
- **Finished Depth:** 11.0 m  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:** Bassani Plug  
- **Date:** 12 Apr 78

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** **Time (minute):**
- **Level End (m):** **Drawdown (m):**
- **Rec’d intake (m):** **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number: 06406**

**Well Owner:** Shell #444

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 822

**AEP:** 423076

**Date Started:** 11 Feb 78

**Date Completed:**

---

### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 11.0 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Bassani Plug 12 Apr 78

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Flouride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lab:**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
Type of Work: *Flowing Shot Hole*
Drilling Method: *Drilled*
Well Use: *Industrial*

**Completed Depth** 11.0 (m)

**NPWL (m):** 12 Apr 78

**Abandonment:** *Bassani Plug*

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Depth Elevation**

<table>
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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tr>
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**Electric Log: No**
**Transmissivity: m³/day**
**Gamma Log: No**
**Storativity: No**
**Aquifer Test: No**
**Project: Database: 1.000H**
**AEP Data: Yes**
**Well Field Verified: No**

---

printed on 2/20/98
### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Drilled
- **Well Use:** Industrial
- **Completed Depth:** 11.0 (m)
- **NPWL (m):** 11.0
- **Verified NPWL (m):**
- **Abandonment:** Bassani Plug 12 Apr 78

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Depth Elevation
- **(BGL) (AMSL):**

| Lithologic Description |

### Testing:
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** Flowing Shot Hole  
- **Drilling Method:** Drilled  
- **Well Use:** Industrial  
- **Completed Depth:** (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:** Bassani Plug 21 Feb 82

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- **Liner:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Open Hole:** from (m): to  

### Screening:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **Screen:** from (m): to Size:  

### Open Hole:
- **Model:**  
- **Intake (m):**  

### Pump:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

### Electric Log:
- **Transmissivity:** \( \text{m}^2/\text{day} \)  
- **Gamma Log:**  
- **Aquifer Test:**  
- **AEP Data:** Yes  
- **Database:** 1,000H  
- **Project:**  
- **Well Field Verified:** No

### Chemical Constituents:
- **COD:** Mercury  
- **SAR:** Nickel  
- **TKN:** Selenium  
- **Nitrate:** Strontium  
- **Nitrite:** Molybdenum  
- **Bottom (m):**  
- **Top (m):**  
- **Size:**  

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number:** 06409  
**Well Owner:** Texaco #121  
**Elevation (AMSL) (m):** 815  
**Licence No.:** Easting: -2,749.11  
**Date Started:** 20 Feb 82  
**Date Completed:** 21 Feb 82  
**No**  
**No**  
**No**  
**1.000H**  
**Yes**  
**No**
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 30.2 Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** Formation Packer
  - from (m): to 42.7

**Casing:**

- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** Formation Packer
  - from (m): to 42.7

**Liner:**

- **Type:**
  - **OD (mm):** 114.3 Thickness (mm):
  - **Top (m):** Bottom (m): 51.2
  - **Perforated How:** Torch
  - from (m): 44.8 to 51.2 Size:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:**
  - **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Beatty 8 Stage
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 73.0 Time (minute): 240.0
- **Level End (m):** 30.5 Drawdown (m): 0.3
- **Rec'd intake (m):** 39.6 Rec'd Rate (lpm):

**Laboratory:**

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| Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 06410

**Well Owner:** Drewes, M W

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 816

**Licence No.:** Easting: -2,382.04 Northing: 5,918,306.00

**Date Started:**

**Date Completed:** 05 Apr 84

**New Well**

- **Rotary**
- **Clay & Boulders**
- **Shale Green**
- **Shale Gray**
- **Clay & Boulders Sandy**
- **Sand Brown**
- **Sand Fine Grained Gray**
- **Sand & Sandstone Interbedded G**
- **Lost Circulation**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No Transmissivity:** m³/day

**Gamma Log:** No Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No
### General
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 53.6 m
  - NPWL (m): 33.2
  - Verif NPWL (m):
- **Abandonment:**
  - **Type:** Steel
  - Depth (m): 49.4
  - Bottom (m): 49.4
- **OD (mm):** 127.0
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to

### Casing
- **Type:** Steel
- **Depth (m):** 31.9
- **Bottom (m):** 49.4
- **OD (mm):** 53.6
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner
- **Type:** Steel
- **Depth (m):** 31.9
- **Bottom (m):** 49.4
- **OD (mm):** 53.6
- **Thickness (mm):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**

### Screen
- **Material:** Steel
- **OD (mm):**
  - **from (m):** to
- **Thickness (mm):**
  - **from (m):** to
- **Perforated How:**
  - **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**

### Open Hole
- **from (m):** to

### Pump: Rod 2.5
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Vanadium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm) Except as noted.**

### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:**
- **Database:** 1.000H
- **AEP Data:**
  - **Yes**
  - **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 5.8 m
- **NPWL (m):** 1.2 m
- **Verified NPWL (m):** 1.2 m
- **Abandonment:**

## Casing:
- **Type:**
  - Depth (m): Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

## Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - to Size:
  - to Size:

## Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - to Size:

## Open Hole:
- **from (m):**

## Pump:
- **Model:** Intake (m):

## Testing:
- **Rate (lpm):** Time (minute):
- **Rate (lpm):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness 400.00
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** 6.03 Cadmium Ion Balance
- **Fluoride:** Chromium Ammon. Nitrogen
- **Iron:** 0.25 Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity 535.0
- **Silica:** Lead Nitrate & Nitrite N

## Electric Log:
- No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
SE 36-051-08 W5M

Well Number: 06436

Well Owner: Wardlow, K
Drilling Contractor: Morrill's Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Well Use: Domestic &amp; Stock</th>
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</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>Well Use: Domestic &amp; Stock</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>Well Use: Domestic &amp; Stock</td>
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<tr>
<td>Completed Depth 57.6 (m)</td>
<td>Well Use: Domestic &amp; Stock</td>
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<tr>
<td>NPWL (m): 35.0</td>
<td>Well Use: Domestic &amp; Stock</td>
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<tr>
<td>Abandonment:</td>
<td>Well Use: Domestic &amp; Stock</td>
</tr>
</tbody>
</table>

| Casing: | | Lithologic Description |
|----------|-----------------------------|
| Type: Plastic | (m) | (m) |
| Depth (m): 42.4 | Thickness (mm): 0.1 |
| OD (mm): 141.2 | Bottom (m): 42.4 |
| Seal Type: Driven | Top (m): 39.6 |
| from (m): 48.8 to 57.6 | Bottom (m): 57.6 |
| Screen: | | Perforated How: Machine |
| Type: | Size: |
| OD (mm): 114.3 | Bottom (m): 57.6 |
| Thickness (mm): | Size: |
| Top (m): 39.6 | Size: |

| Open Hole: | | Pump: |
|----------|-----------------------------|
| from (m): | | Model: |
| from (m): | Intake (m): |

| Testing: | | Lithologic Description |
|----------|-----------------------------|
| Rate (lpm): 114.0 | Time (minute): 240.0 |
| Level End (m): 45.7 | Drawdown (m): 10.7 |
| Rec'd intake (m): 45.7 | Rec'd Rate (lpm): 68.4 |

<table>
<thead>
<tr>
<th>Laboratory:</th>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
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<tr>
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<td>Molybdenum</td>
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<tr>
<td>Potassium</td>
<td>TN Vanadium</td>
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<tr>
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<td>TC Zinc</td>
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<td>Cobalt Total Phosphate</td>
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<td>Copper Total Alkalinity</td>
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<td>TOC</td>
<td>Lead Nitrate &amp; Nitrite N</td>
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<tr>
<td>Silica</td>
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</tbody>
</table>

| Electric Log: No |
| Transmissivity:  m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 02-052-01 W5M**

**Well Owner:** Tessier, Doug  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 279  
**AEP:** 351083  
**Licence No.:**  
**Date Started:** 14 May 90  
**Date Completed:** 08 Aug 90

### General:
- **Type of Work:** Deepened  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 m  
- **NPWL (m):** 6.1  
- **Abandonment:**
  - **Casing:**
    - **Type:** Steel  
    - **Depth (m):** 44.5  
    - **Bottom (m):** 44.5  
    - **OD (mm):** 114.3  
    - **Thickness (mm):** 0.1  
  - **Seal Type:** Driven  
  - **from (m):** to 44.5

### Liner:
- **Type:**
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
- **Top (m):** 42.7  
- **Bottom (m):** 54.9

### Screen:
- **Material:**
  - **from (m):** to  
  - **Size:**
- **from (m):** to  
  - **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 68.4  
- **Time (minute):** 420.0  
- **Level End (m):** 21.3  
- **Drawdown (m):** 15.2  
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
  - **COD:** Mercury  
  - **SAR:** Nickel  
  - **TKN:** Selenium  
  - **Nitrate:** Strontium  
  - **Nitrite:** Molybdenum  
  - **TN:** Vanadium  
  - **TC:** Zinc  
  - **DIC:** Hydroxide  
  - **Arsenic:** Total Hardness  
  - **Barium:** Manganese  
  - **Beryllium:** Phosphate  
  - **Cadmium:** Ion Balance  
  - **Chromium:** Amm. Nitrogen  
  - **Cobalt:** Total Phosphate  
  - **Copper:** Total Alkalinity  
  - **Lead:** Nitrate&Nitrite N  
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**  
  - Transmissivity: m²/day

### Gamma Log:
- **No**  
  - Storativity:

### Aquifer Test:
- **No**  
  - Project:
  - **Database:** 1.000H

### REMARKS:
- Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 47.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m): Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm): from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Molybdenum
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:

### Aquifer Test:
- **Chromium:** 
- **Vanadium:** 
- **Cadmium:** 
- **Copper:** Total Alkalinity
- **Iron:** Lead & Zinc
- **Lead:** Bicarbonate
- **Barium:** Manganese

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
## General Information

**Type of Work:** Chemistry  
**Drilling Method:** Not Applicable  
**Well Use:** Domestic  
**Completed Depth:** 85.3 (m)  
**NPWL (m):** 56,809.91  
**Verified NPWL (m):** Unknown  
**Abandonment:**  

### Casing
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole
- from (m): to  

### Pump
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory

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<th>Value</th>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** NW 06-052-01 W5M

**Well Owner:** Maclennan, Rick

**Drilling Contractor:** D&D Water Well Drilling & Services

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.0 (m)
- **NPWL (m):** 39.0
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 65.5
- **Bottom (m):** 65.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 65.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 64.0
- **Bottom (m):** 82.0
- **Perforated How:** Saw
- **from (m):** 71.6 to 82.0

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 82.0

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 74.4
- **Drawdown (m):** 35.4
- **Rec'd intake (m):** 73.2
- **Rec'd Rate (lpm):** 13.7

---

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Vanadium:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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<tr>
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<td>41.5</td>
<td>711.0</td>
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<tr>
<td>48.5</td>
<td>704.0</td>
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<tr>
<td>49.4</td>
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<tr>
<td>52.1</td>
<td>700.3</td>
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<td>53.6</td>
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<td>82.0</td>
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</table>

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
NW 06-052-01 W5M

Well Number 06442

Well Owner: Parent, Mernie/Gerald
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 751
Licence No.: 430949
Date Started:
Date Completed:

Easting: 56,921.85
Northing: 5,921,730.96

Well Number: 06442

**General:**
- Type of Work: Old Well-Abandoned
- Well Use: Domestic
- Completed Depth: 54.9 (m)
- Abandonment: Bentonite Product 13 Jul 95

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: 
- OD (mm): from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec’d Rate (lpm): Rec’d intake (m):

**Laboratory:**
- 26 Mar 85
- pH (pH unit) 8.50
- Cond. (µS/cm) 1580
- TDS 976.0
- Sodium 390.08
- Potassium 0.78
- Calcium 2.00
- Magnesium 8.90
- Carbonate 804.11
- Bicarbonate 166.18
- Sulphate 18.90
- Chloride 0.54
- Fluoride 0.18
- TOC 8.20
- Silicon 8.20
- Chemical Constituents are in mg/l (ppm) Except as noted.

**Depth**
- Elevation (BGL) (AMSL) (m) (m)
- Lithologic Description

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
**NW 06-052-01 W5M**

**Well Owner:** Soucie, Edna
Drilling Contractor: Midwest Water Well Ltd.

**Depth Elevation**

<table>
<thead>
<tr>
<th>m</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>57.9</td>
<td>690.1</td>
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<tr>
<td>58.8</td>
<td>689.2</td>
<td>Clay &amp; Rocks</td>
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<tr>
<td>64.6</td>
<td>683.4</td>
<td>Clay</td>
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<td>84.1</td>
<td>663.9</td>
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<td>85.3</td>
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<td>Shale Blue</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Sodium</td>
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<td>Potassium</td>
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<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
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<td>Iron</td>
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<tr>
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</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>Nitrate &amp; Nitrite</td>
<td></td>
</tr>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06443

**Elevation (AMSL) (m):** 748
**AEP: 364659**
**Date Started:** 14 Apr 88
**Location:** Easting: 56,768.32
**Date Completed:** 14 Apr 88
**Northing:** 5,921,987.00
**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number: 06444**

**Well Owner:** Thompson, Bruce  
**Drilling Contractor:** Midwest Water Well Ltd.

<table>
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<tr>
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<td>Licence No.:</td>
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<td>Easting:</td>
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<td>Northing:</td>
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<td>Date Started:</td>
<td>10 May 91</td>
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<tr>
<td>Date Completed:</td>
<td>10 May 91</td>
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</table>

**General:**
- Type of Work: New Well  
- Drilling Method: Rotary  
- Well Use: Domestic  
- Completed Depth: 76.2 m  
- NPWL (m): 39.6  
- Verified NPWL (m):  
- Abandonment:  

**Casing:**
- Type: Steel  
- Depth (m): 60.7  
- Bottom (m): 60.7  
- OD (mm): 139.7  
- Thickness (mm): 0.1  
- Seal Type: Drive Shoe  
- from (m): to 60.7  

**Liner:**
- Type:  
- OD (mm): 114.3  
- Thickness (mm): 0.1  
- Top (m): 57.9  
- Bottom (m): 76.2  
- Perforated How: Hand Drill  
- from (m): to 6.4  
- Size:  

**Screen:**
- Material:  
- OD (mm):  
- from (m): to  
- Size:  

**Open Hole:**
- from (m): to  

**Pump:** Sub  
**Model:**  
**Intake (m):**  
**Rate (lpm):** 22.8  
**Time (minute):** 120.0  
**Level End (m):** 47.2  
**Drawdown (m):** 7.6  
**Rec’d intake (m):** 55.5  
**Rec’d Rate (lpm):** 68.4  

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium:  
- Nitrate:  
- Strontium:  
- Potassium:  
- Nitrite:  
- Molybdenum:  
- Calcium:  
- TN:  
- Vanadium:  
- Magnesium:  
- TC:  
- Zinc:  
- Carbonate:  
- DIC:  
- Hydroxide:  
- Bicarbonate:  
- Arsenic:  
- Total Hardness:  
- Barium:  
- Manganese:  
- Sulphate:  
- Beryllium:  
- Phosphate:  
- Chloride:  
- Cadmium:  
- Iron:  
- Cobalt:  
- Total Phosphate:  
- TOC:  
- Copper:  
- Total Alkalinity:  
- SiO2:  
- Lead:  
- Nitrate & Nitrite N:  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**SE 06-052-01 W5M**

**Well Number:** 06445

**Well Owner:** Mcgee, M.S.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 745

**AEP:** 366039

**Date Started:**

**Easting:** 57,471.28

**Date Completed:**

**Northing:** 5,920,942.00

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 79.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** **Rec’d Rate (lpm):**

### Laboratory:

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<tr>
<td>Nitrate &amp; Nitrite N</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H

### AEP Data:

- **Database:** Yes
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

printed on 2/20/98
**Water Well Positioned by PFRA in 10TM NAD 27**

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m): Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to
  - **Liner:**
    - **Type:**
    - **OD (mm):** Thickness (mm):
    - **Top (m):** Bottom (m):
    - **Perforated How:**
      - **from (m):** to **Size:**
      - **from (m):** to **Size:**
      - **from (m):** to **Size:**
  - **Screen:**
    - **Material:**
    - **OD (mm):**
      - **from (m):** to **Size:**
      - **from (m):** to **Size:**
    - **Open Hole:**
      - **from (m):** to
  - **Pump:**
    - **Model:**
    - **Intake (m):**
  - **Testing:**
    - **Rate (lpm):** Time (minute):
    - **Level End (m):** Drawdown (m):
    - **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
  - **Database:** 1.000H
- **AEP Data:** Yes
  - **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 135.3 (m)
- **NPWL (m):** 32.0
- **Verified NPWL (m):** 32.0
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 100.9
- **Bottom (m):** 100.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** 100.9

### Liner:
- **Type:**塑料
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 99.1
- **Bottom (m):** 135.0
- **Perforated How:** Saw
- **from (m):** 100.9 to 135.0
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 75.6

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 65.5
- **Drawdown (m):** 18.0
- **Rec'd intake (m):** 75.6
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iodine:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** 
- **Amm. Nitrogen:**
- **Screen Test:**
- **Total Alkalinity:**
- **TOC:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Aquifer Test:
- **Amm. Nitrogen:**
- **Screen Test:**
- **Total Alkalinity:**
- **TOC:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

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**Water Well Positioned by PFRA in 10TM NAD 27**

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**printed on 2/20/98**
### General:
- **Type of Work**: Test Hole
- **Drilling Method**: Unknown
- **Well Use**: Investigation
- **Completed Depth**: 93.0 (m)
- **NPWL (m)**: Verified NPWL (m)
- **Abandonment**:

### Casing:
- **Type**:
- **Depth (m)**: Bottom (m)
- **OD (mm)**: Thickness (mm)
- **Seal Type**:
- **from (m)**: to

### Liner:
- **Type**:
- **OD (mm)**: Thickness (mm)
- **Top (m)**: Bottom (m)
- **Perforated How**:
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:

### Screen:
- **Material**:
- **OD (mm)**:
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:

### Open Hole:
- **from (m)**: to

### Pump:
- **Model**:
- **Intake (m)**:

### Testing:
- **Rate (lpm)**: Time (minute):
- **Level End (m)**: Drawdown (m):
- **Rec'd intake (m)**: Rec'd Rate (lpm):

### Electric Log:
- **Transmissivity**: m²/day
- **Storativity**:

### Laboratory:
- **pH (pH unit)**: COD
- **Cond. (µS/cm)**: SAR
- **TDS**: TKN
- **Sodium**: Nitrate
- **Potassium**: Nitrite
- **Calcium**: TN
- **Magnesium**: TC
- **Carbonate**: DIC
- **Bicarbonate**: Arsenic
- **Aluminium**: Barium
- **Sulphate**: Beryllium
- **Chloride**: Cadmium
- **Fluoride**: Chromium
- **Iron**: Cobalt
- **TOC**: Copper
- **Silica**: Lead
- **DIC**: Mercury
- **ph**: COD
- **pH**: COD
- **C**: COD
- **S**: COD
- **N**: COD
- **Ca**: COD
- **Mg**: COD
- **K**: COD
- **Na**: COD
- **Cl**: COD
- **F**: COD
- **Fe**: COD
- **Al**: COD
- **Si**: COD
- **BOC**: COD
- **B**: COD

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06449

**Well Owner:** Rea, William Herbert

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 738

**AEP:** 356886

**Licence No.:** Easting: 56,120.11

**Date Started:** Northing: 5,923,288.00

**Date Completed:**

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<td>Drawdown (m):</td>
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<td>from (m): to</td>
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<tr>
<td></td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 74.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to
  - from (m): to
  - from (m): to

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonte:**
- **Bicarbonate:**
- **Aluminum:**
- **Palladium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Storativity:**  m³/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:** 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 09-052-01 W5M**

**Well Number:** 06451  
**Well Owner:** Turner, Ron Dr.  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.  
**Elevation (AMSL) (m):** 738  
**AEP:** 396739  
**Licence No.:** Easting: 61,216.31  
**Date Started:** 12 Jul 94  
**Northing:** 5,923,050.00  
**Date Completed:** 13 Jul 94  

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 70.4 (m)  
- **NPWL (m):** 21.6  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:

- **Type:** Plastic  
- **Depth (m):** 48.8  
- **Bottom (m):** 48.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 48.8  

### Liner:

- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 47.2  
- **Bottom (m):** 69.5  
- **Perforated How:** Saw  
- **from (m):** to 48.8  
- **Size:**  
- **from (m):** to 69.5  
- **Size:**  
- **from (m):** to Size:  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **Open Hole:**  
- **from (m):** to  

### Pump:

- **Model:**  
- **Intake (m):**  
- **Testing:**  
- **Rate (lpm):** 13.7  
- **Time (minute):** 120.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 21.0  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 13.7  

### Laboratory:

- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrates:**  
- **Molybdenum:**  
- **Calcium:**  
- **TC:**  
- **Magnesium:**  
- **TN:**  
- **Vanadium:**  
- **Carbonate:**  
- **DIC:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

- **Water Well Positioned by PFRA in 10TM NAD 27**

- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

*printed on 2/20/98*
**SE 11-052-01 W5M**  
**Well Number: 06452**

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 87.8 m  
- **NPWL (m):** 18.0  
- **Abandonment:**  

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 46.3  
- **Bottom (m):** 46.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 46.3

**Liner:**  
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 44.8  
- **Bottom (m):** 87.8  
- **Perforated How:** Saw  
- **from (m):** to 57.9  
- **Size:** to 85.3  
- **from (m):** to 57.9  
- **Size:** to 57.9

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:** to  
- **from (m):** to  
- **Size:** to

**Open Hole:**  
- **from (m):** to

**Pump:**  
- **Model:**  
- **Intake (m):** 87.8

**Testing:**  
- **Rate (lpm):** 20.5  
- **Time (minute):** 120.0  
- **Level End (m):** 80.5  
- **Drawdown (m):** 62.5  
- **Rec'd Rate (lpm):** 76.2  
- **Rec'd intake (m):** 13.7

**Laboratory:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Strontium:**  
- **Selenium:**  
- **Molybdenum:**  
- **TC:**  
- **Vanadium:**  
- **Zinc:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 36.0
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 73.2
- **Bottom (m):** 73.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
- **from (m):** to 73.2

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 79.2
- **Perforated How:** Machine
- **from (m):** to 79.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 67.1
- **Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 360.0
- **Level End (m):** 67.1
- **Drawdown (m):** 31.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** Selenium
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrates & Nitrites:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation

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### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No
**SE 13-052-01 W5M**

Well Owner: **Heupel, Erich**

Drilling Contractor: **D&D Water Well Drilling & Services**

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 m
- **NPWL (m):** 15.2
- **Abandonment:**

**Casing:**
- Type: **Plastic**
- **Depth (m):** 46.3
- **OD (mm):** 152.4
- **Top (m):** 44.8
- **Bottom (m):** 76.2
- **Seal Type:** Shale Trap & Bentoni
- **Thickness (mm):** 0.1
- **From (m):** to 46.3

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Top (m):** 44.8
- **Bottom (m):** 76.2
- **Perforated How:** Saw
- **From (m):** to 76.2
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **From (m):** to
- **Size:**

**Open Hole:**
- **From (m):**

**Pump:**
- **Model:**
- **Intake (m):** 76.2

**Testing:**
- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):** 68.9
- **Drawdown (m):** 53.6
- **Rec'd intake (m):** 61.0
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m):
- **Thickness (mm):**
- **to**

**Liner:**
- **Type:**
  - OD (mm):
  - Top (m):
  - Perforated How:
  - from (m):
  - to
- **Thickness (mm):**
- **Size:**
- **Size:**
- **Size:**

**Screen:**
- **Material:**
  - OD (mm):
  - from (m):
  - to
- **Size:**
- **Size:**
- **Size:**

**Open Hole:**
- from (m):
- **to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Open Hole:**
- **Laboratory:**
  - Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 06455**
- **Well Owner:** Lutz, Dwight
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 721
- **AEP:** 368948
- **Date Started:**
- **Northing:** 5,925,249.50
- **Date Completed:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
NE 14-052-01 W5M

Well Owner: Lutz, Dwight
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number: 06456

Elevation (AMSL) (m): 721
AEP: 406036
Licence No.: Easting: 64,460.94
Date Started: 12 Oct 94
Northing: 5,925,249.50
Date Completed: 12 Oct 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth: 45.7 (m)
NPWL (m): 10.4
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.6
Bottom (m): 36.6
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): 36.6
to 36.6

Liner:
Type: Plastic
Depth (m): 36.6
Bottom (m): 36.6
OD (mm): 127.0
Thickness (mm): 0.1
Top (m): 34.8
Bottom (m): 44.8
Perforated How: Saw
from (m): 36.6
to 44.8
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
from (m): to
from (m): to

Open Hole:
from (m): to

Pump: Sub
Model: Jacuzzi
Intake (m): 30.5

Testing:
Rate (lpm): 31.9
Time (minute): 120.0
Level End (m): 27.4
Drawdown (m): 1.8
Rec'd Rate (lpm): 30.5
Rec'd intake (m): 31.9

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Beryllium: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 14-052-01 W5M**

**Well Owner:** Kulak, Harry

**Drilling Contractor:** D&D Water Well Drilling & Services

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 58.5 (m)
- **NPWL (m):** 17.1
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 42.1
- **Bottom (m):** 42.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Cement/Grout
- **from (m):** 4.6 to 42.1

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 40.8
- **Bottom (m):** 58.5
- **Perforated How:** Saw
- **from (m):** 45.7 to 57.9
- **Size:**
- **from (m):** to 42.1
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to 42.1
- **Size:**
- **from (m):** to 42.1
- **Size:**

**Open Hole:**
- **from (m):** to 42.1

**Pump:**
- **Model:**
- **Intake (m):** 58.5

**Testing:**
- **Rate (lpm):** 77.5
- **Time (minute):** 240.0
- **Level End (m):** 50.3
- **Drawdown (m):** 33.2
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):** 22.8

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**Depth Elevation (BGL) (AMSL) Lithologic Description**

<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
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<tr>
<td>16.1</td>
<td>711.7</td>
<td>Clay Silty Yellow</td>
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<td>27.7</td>
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<td>32.6</td>
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<td>47.6</td>
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<td>50.0</td>
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<td>52.7</td>
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<td>56.4</td>
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<td>58.5</td>
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**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** TKN Selenium
- **Nitrate:** Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
Well Number: 06458

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic
- **Completed Depth:** 61.6 (m)  
- **NPWL (m):** 10.1  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 43.9  
- **Bottom (m):** 43.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Welded
- **from (m):** to 43.9

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to  
  - **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 91.2  
  - **Time (minute):** 120.0  
  - **Level End (m):** 24.4  
  - **Drawdown (m):** 14.3  
  - **Rec’d intake (m):**  
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:** Nitrate  
- **Nitrate:** Selenium  
- **Potassium:** Nitrite  
- **Nickel:** Molybdenum  
- **Calcium:** TN  
- **Vanadium:** Magnesium  
- **Manganese:** Zinc  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:** Bicarbonate  
- **Arsenic:** Total Hardness  
- **Total Hardness:** Aluminum  
- **Barium:** Manganese  
- **Sulphate:** Beryllium  
- **Phosphate:** Chloride  
- **Cadmium:** Iron  
- **Amm. Nitrogen:** TOC  
- **Copper:** Silica  
- **Lead:** Nitrates
- **Sulphate:** Total Alkalinity
- **Screening:**
  - **Materials:**
  - **OD (mm):**
  - **Size:**
  - **Bottom (m):** to  
  - **Top (m):** to  
- **Perforated How:**
  - **Size:**
  - **Bottom (m):** to  
  - **Top (m):** to  
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Size:**
  - **Bottom (m):** to  
  - **Top (m):** to  
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Size:**
  - **Bottom (m):** to  
  - **Top (m):** to  
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Size:**
  - **Bottom (m):** to  
  - **Top (m):** to  
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Size:**
  - **Bottom (m):** to  
  - **Top (m):** to  
  - **Size:**

### Electric Log:
- **m³/day:**
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Well Owner:** Schoepp, Jim
- **Drilling Contractor:** D&D Water Well Drilling & Services
- **Licence No.:** Easting: 62,807.23
- **Date Started:** 17 May 93
- **Date Completed:** 18 May 93
- **Elevation (AMSL) (m):** 719
- **AEP:** 369872

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<th>Elevation (BGL) (m)</th>
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**Casing:**
- **Type:** Plastic
- **Depth (m):** 46.0
- **Bottom (m):** 46.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **From (m):** to 46.0

**Liner:**
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 44.8
- **Bottom (m):** 87.8

**Perforated How:** Saw
- **Size:** from (m): 61.0 to 86.0
- **Size:** from (m): to 86.0
- **Size:** from (m): to 86.0

**Screen:**
- **Material:** Plastic
- **OD (mm):**
- **From (m):** to 86.0
- **From (m):** to 86.0
- **From (m):** to 86.0

**Open Hole:** from (m): to

**Pump:**
- **Model:** Intake (m): 42.7

**Testing:**
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 14.0
- **Rec’d intake (m):** 27.4
- **Rec’d Rate (lpm):** 68.4

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR, Nickel
- **TDS:** TKN, Selenium
- **Sodium:** Nitrate, Strontium
- **Potassium:** Nitrite, Molybdenum
- **Calcium:** TN, Vanadium
- **Magnesium:** TC, Zinc
- **Carbonate:** DIC, Hydroxide
- **Bicarbonate:** Arsenic, Total Hardness
- **Aluminum:** Barium, Manganese
- **Sulphate:** Beryllium, Phosphate
- **Chloride:** Cadmium, Ion Balance
- **Fluoride:** Chromium, Amm. Nitrogen
- **Iron:** Cobalt, Total Phosphate
- **TOC:** Copper, Total Alkalinity
- **Silica:** Lead, Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 06460

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<td>Total Hardness</td>
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<td>Amm. Nitrogen</td>
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<td>Total Alkalinity</td>
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<td>Silica</td>
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<td>Lead</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td>Remarks:</td>
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Water Well Positioned by PFRA in 10TM NAD 27
**NW 16-052-01 W5M**

Well Owner: *Daniels, Fred*

Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*

**Elevation (AMSL) (m): 726**

**AEP: 364939**

**Licence No.: Easting: 59,794.45**

**Northing: 5,925,043.50**

**Date Started: 02 Jun 92**

**Date Completed: 08 Jun 92**

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<tr>
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<td>(BGL) (AMSL)</td>
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<td><strong>7.6</strong></td>
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<td><strong>27.7</strong></td>
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<td></td>
<td><strong>37.5</strong></td>
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<td><strong>80.8</strong></td>
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<th>Liner:</th>
<th>Screen:</th>
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<tr>
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<td>Type:</td>
<td>Material: St</td>
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<td>Thickness (mm):</td>
<td>OD (mm): <strong>1.2</strong></td>
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<td>Seal Type:</td>
<td>Top (m):</td>
<td>from (m): <strong>61.9</strong> to <strong>63.4</strong> Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>Bottom (m):</td>
<td>from (m): <strong>61.9</strong> to <strong>63.4</strong> Size:</td>
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<tr>
<td></td>
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<td>from (m): <strong>61.9</strong> to <strong>63.4</strong> Size:</td>
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<thead>
<tr>
<th>Open Hole:</th>
<th>Pump:</th>
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<tbody>
<tr>
<td>from (m):</td>
<td>Model:</td>
</tr>
<tr>
<td></td>
<td>Intake (m): <strong>10.7</strong></td>
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<th>Laboratory:</th>
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<tbody>
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<tr>
<td>Rec'd intake (m):</td>
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**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No  **Transmissivity:**  m²/day

**Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Project:**

**AEP Data:** Yes  **Database:** 1.000H

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Lemiski, Ken
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

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<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td></td>
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<tr>
<td>Well Use: Domestic</td>
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<td>Clay Yellow</td>
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<tr>
<td>Completed Depth 123.4 (m)</td>
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<td>695.3</td>
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<td>Abandonment:</td>
<td></td>
<td></td>
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<tr>
<td>Casing:</td>
<td></td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>Type: Steel</td>
<td></td>
<td>32.3</td>
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<tr>
<td>Depth (m): 98.1</td>
<td></td>
<td>693.4</td>
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<td>OD (mm): 141.2</td>
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<td>Clay Blue</td>
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<tr>
<td>Thickness (mm): 0.1</td>
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<td>56.4</td>
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</tr>
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<td>from (m): to 98.1</td>
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<td>66.0</td>
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<td>Clay Yellow</td>
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<tr>
<td>Type:</td>
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<td>to 122.5</td>
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<td>OD (mm):</td>
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Laboratory:

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<td>Strontium</td>
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<td>Vanadium</td>
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<td>DIC</td>
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<td>Arsenic</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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Electric Log: No  Transmissivity: m³/day
Gamma Log: No  Storativity:
Aquifer Test: No  Project: database: 1.000H
AEP Data: Yes  Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 98.1 m
- **NPWL (m):** 18.0
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 74.4
- **Bottom (m):** 74.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 74.4

**Liner:**

- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 72.5
- **Bottom (m):** 98.1
- **Perforated How:** Other
- **from (m):** 79.2 to 98.1
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
  - **from (m):** to
  - **from (m):** to
  - **from (m):** to

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 54.7
- **Time (minute):** 240.0
- **Level End (m):** 54.9
- **Drawdown (m):** 36.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Sulfate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
- **Laboratory:**
- **Laboratory:**
- **Laboratory:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<th>(m)</th>
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<tr>
<td>98.1</td>
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<td>Shale Gray</td>
</tr>
</tbody>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Steel
- **Depth (m):** 63.7
- **Bottom (m):** 63.7
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 63.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 73.2
- **Perforated How:** Hand Drill
- **from (m):** to 71.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 136.8
- **Time (minute):** 420.0
- **Level End (m):** 73.2
- **Drawdown (m):** 50.3
- **Rec'd Intake (m):**
- **Rec'd Rate (lpm):** 136.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
Well Number: 06465

General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 (m)
- **NPWL (m):** 45.7
- **Verified NPWL (m):**
- **Abandonment:**

Casing:
- **Type:** Steel
- **Depth (m):** 95.4
- **Bottom (m):** 95.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 95.4

Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 92.4
- **Bottom (m):** 103.6
- **Perforated How:** Hand Drill
- **from (m):** to 103.0

Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

Open Hole:
- **from (m):** to

Pump: Sub
- **Model:**
- **Intake (m):** 91.4

Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 300.0
- **Drawdown (m):** 39.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Printed on: 2/20/98
**NE 17-052-01 W5M**

**Well Owner:** Henderson, Adeline  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

**Depth Elevation**  
**BGL** (m) | **AMSL** (m) | **Lithologic Description**  
--- | --- | ---  
19.2 | 703.8 | Clay Sandy Yellow  
39.0 | 684.0 | Sand  
44.8 | 678.2 | Clay Sandy Blue  
48.2 | 674.8 | Sand  
54.3 | 668.7 | Clay Blue  
63.1 | 659.9 | Shale Green  
64.3 | 658.7 | Sandstone  
70.4 | 652.6 | Shale Gray  
73.2 | 649.8 | Sandstone  
80.8 | 642.2 | Shale Gray  
82.3 | 640.7 | Sandstone  
84.7 | 638.3 | Shale Gray  
86.6 | 636.4 | Sandstone  
89.3 | 633.7 | Shale Green

---

**General:**  
**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic & Stock  
**Completed Depth:** 89.3 (m)  
**NPWL (m):** 25.9  
**Verified NPWL (m):**  
**Abandonment:**  

**Casing:**  
**Type:** Plastic  
**Depth (m):** 60.0  
**Bottom (m):** 60.0  
**OD (mm):** 152.4  
**Thickness (mm):** 0.1  
**Seal Type:** Shale Trap  
**from (m):** to 60.0  

**Liner:**  
**Type:**  
**OD (mm):** 114.3  
**Thickness (mm):** 0.1  
**Top (m):** 58.8  
**Bottom (m):** 89.3  
**Perforated How:** Other  
**from (m):** to 62.5  
**to (m):** 86.9  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  

**Screen:**  
**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  

**Open Hole:**  
**from (m):** to  

**Pump:**  
**Model:**  
**Intake (m):**  
**Rate (lpm):** 27.4  
**Time (minute):** 180.0  
**Level End (m):** 73.2  
**Drawdown (m):** 47.2  
**Rec'd intake (m):**  

**Laboratory:**  
**pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS:**  
**Sodium:**  
**Potassium:**  
**Calcium:**  
**Magnesium:**  
**Carbonate:**  
**Bicarbonate:**  
**Aluminium:**  
**Sulphate:**  
**Chloride:**  
**Fluoride:**  
**Iron:**  
**TOC:**  
**Silica:**  
**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06466  
**Elevation (AMSL) (m):** 723  
**AEP:** 350344  
**Licence No.:**  
**Date Started:** 08 Mar 90  
**Easting:** 59,551.16  
**Date Completed:** 09 Mar 90  
**Northing:** 5,925,235.50  
**AEP Data:** Yes  
**Well Field Verified:** No  

**Transmissivity:** m²/day  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**Chemical Constituents are in mg/l (ppm). Except as noted.**
SE 17-052-01 W5M

Well Number: 06467

Well Owner: Velichko, Mike
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 734
AEP: 380746
Licence No.: Easting: 59,265.96
Date Started: 15 Jun 95 Northing: 5,924,082.50
Date Completed: 21 Jun 95

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 147.5 (m)
- NPWL (m): 27.7
- Veriﬁed NPWL (m): 59,265.96

**Abandonment:**

**Casing:**
- Type: Plastic
- Depth (m): 106.7
- Bottom (m): 106.7
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Formation Seal
- from (m): to 106.7

**Liner:**
- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 105.5
- Bottom (m): 146.6
- Perforated How: Saw
- from (m): to 146.6
- Size: to
- Size: to
- Size: to

**Screen:**
- Material: Plastic
- OD (mm):
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:** Sub
- Model: Jacuzzi
- Intake (m): 97.5

**Testing:**
- Rate (lpm): 11.4
- Time (minute): 120.0
- Level End (m): 79.2
- Drawdown (m): 51.5
- Rec’d intake (m): 97.5
- Rec’d Rate (lpm): 9.1

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>30.5</td>
<td>703.3</td>
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<tr>
<td>37.2</td>
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<td>Sand &amp; Coal</td>
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<tr>
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<td>673.5</td>
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<tr>
<td>62.5</td>
<td>671.3</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>67.1</td>
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<td>100.0</td>
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<tr>
<td>101.2</td>
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<td>Clay Blue</td>
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<td>103.6</td>
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<td>107.6</td>
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<tr>
<td>147.5</td>
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<td>Shale Dark Gray</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Table showing chemical constituents and their concentrations.

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 115.8 (m)
- **NPWL (m):** 40.2
- **Verify NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 92.7
- **Bottom (m):** 92.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):**
- **to:** 92.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 91.4
- **Bottom (m):** 115.8
- **Perforated How:** Other
- **from (m):**
- **to:** 115.8

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 91.2
- **Time (minute):** 240.0
- **Level End (m):** 54.9
- **Drawdown (m):** 14.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
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<th>Parameter</th>
<th>Value</th>
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<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Sodium</td>
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<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation
- **(BGL) (AMSL):**
  - (m) (m) Lithologic Description
  - 8.5 726.5 Clay Sandy Yellow
  - 17.4 717.7 Sand Silty
  - 62.8 672.3 Sand
  - 64.3 670.7 Shale Green
  - 84.7 650.3 Clay Blue
  - 87.8 647.3 Sandstone
  - 95.7 639.4 Shale Green
  - 104.2 630.8 Shale Gray
  - 111.9 623.2 Sandstone
  - 115.8 619.2 Shale Gray

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 06468**

- **Elevation (AMSL) (m):** 735
- **AEP:** 366206
- **Licence No.:**
- **Easting:** 58,476.75
- **Date Started:** 17 Jun 92
- **Northing:** 5,924,368.50
- **Date Completed:** 19 Jun 92

**Project:**
- **Database:** 1.000H

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Rec'd Rate:**
**TOC:**
**Laboratory Test:**
**Silica:**
**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 18-052-01 W5M**

**Well Owner:** Butz, Bob  
**Drilling Contractor:** Midwest Water Well Ltd.

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>11.0</td>
<td>728.3 Till Brownish Yellow</td>
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<td><strong>Drilling Method:</strong> Rotary</td>
<td>17.4</td>
<td>721.9 Sand &amp; Coal Brown</td>
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<td><strong>Well Use:</strong> Domestic &amp; Stock</td>
<td>19.5</td>
<td>719.8 Till Soft Blue</td>
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<td><strong>Completed Depth</strong></td>
<td>22.3</td>
<td>717.0 Sand &amp; Coal Brown</td>
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<td>54.9 (m)</td>
<td>28.7</td>
<td>710.6 Till Blue</td>
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<td><strong>NPWL (m):</strong></td>
<td>36.3</td>
<td>703.0 Sand &amp; Coal Gray</td>
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<td>9.8</td>
<td>54.9</td>
<td>684.4 Clay Blue</td>
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<th>Abandonment:</th>
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<tbody>
<tr>
<td><strong>Type:</strong> Plastic</td>
<td>54.9</td>
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<td><strong>Depth (m):</strong></td>
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<td>Transmissivity: m²/day</td>
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<td><strong>Bottom (m):</strong></td>
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<td><strong>from (m):</strong> 22.9 to 27.4</td>
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<td>29.6</td>
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<tr>
<td><strong>Type:</strong> St</td>
<td>29.6</td>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<td><strong>OD (mm):</strong> 1.5</td>
<td>31.1</td>
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<tr>
<td><strong>from (m):</strong> 29.6 to 31.1</td>
<td>0.01</td>
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<td><strong>Size:</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 06470**

**Well Owner:** Papenhuyzen, Charles  
**Drilling Contractor:** Midwest Drilling Ltd.

---

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 128.0 (m)  
- **NPWL (m):** 56.4  
- **Verified NPWL (m):**

**Abandonment:**

- **Type:** Steel  
- **Depth (m):** 109.1  
- **Bottom (m):** 109.1  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 107.9  
- **to:** 109.1

### Liner:

- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 106.1  
- **Bottom (m):** 128.0  
- **Perforated How:** Hand Drill  
- **from (m):** 110.3  
- **to:** 128.0  
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**  
- **from (m):**  
- **to:**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):** 91.4

### Testing:

- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 85.3  
- **Drawdown (m):** 29.0  
- **Rec’d intake (m):** 91.4  
- **Rec’d Rate (lpm):** 22.8

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
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<td>Strontium</td>
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<tr>
<td>Potassium</td>
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<tr>
<td>Magnesium</td>
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<td>Carbonate</td>
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<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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</tr>
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<td>Manganese</td>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
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</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **No**

### Gamma Log:

- **No**

### Aquifer Test:

- **No**

### Project:

- **Database:** 1.000H

### AEP Data:

- **Yes**
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 06470  
**Elevation (AMSL) (m):** 739  
**Licence No.:** Easting: 56,555.99  
**Date Started:** 09 Mar 95  
**Northing:** 5,925,191.50  
**Date Completed:** 10 Mar 95

---

**Depth**

<table>
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<th>(m)</th>
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<tbody>
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<td>718.9</td>
<td>Till Brownish Yellow</td>
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<td>715.5</td>
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<td>25.3</td>
<td>714.0</td>
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<td>29.3</td>
<td>710.0</td>
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</tr>
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<td>707.6</td>
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<td>46.0</td>
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<td>119.2</td>
<td>620.1</td>
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<td>128.0</td>
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<td>Sandstone Medium Grained</td>
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</tbody>
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---

**Remark:**

- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 2/20/98
# NE 19-052-01 W5M

**Well Owner:** 538064 Alta Corp  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** 06471  
**Elevation (AMSL) (m):** 729  
**AEP:** 373903  
**Licence No.:** Easting: 57,725.73  
**Date Started:** 17 Nov 93  
**Northing:** 5,926,854.50  
**Date Completed:** 19 Nov 93

## General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

## Casing:
- **Type:** Plastic  
- **Depth:** Bottom (m): 69.8  
- **OD (mm):** 152.4  
- **Thicknss (mm):** 0.1  
- **Seal Type:** Driven  
- **Elevation:** Bottom (m): 86.0  
- **Elevation:** NPWL (m): 19.8  
- **Abandonment:**

## Liner:
- **Type:** Plastic  
- **Depth:** Bottom (m): 69.8  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 68.3  
- **Perforated How:** Saw  
- **Elevation:** Bottom (m): 86.0  
- **Elevation:** Top (m): 68.3  
- **Elevation:** NPWL (m): 19.8

## Screen:
- **Material:** Plastic  
- **OD (mm):**  
- **Thickness (mm):** 0.1  
- **Size:** from (m): to  
- **Size:** from (m): to  
- **Size:** from (m): to

## Open Hole:
- **Elevation:** (m): to

## Pump:
- **Model:**  
- **Intake (m):** 74.7

## Testing:
- **Rate (lpm):** 11.4  
- **Time (minute):** 120.0  
- **Level End (m):** 68.6  
- **Drawdown (m):** 68.6  
- **Rec'd intake (m):** 74.7  
- **Rec'd Rate (lpm):** 9.1

## Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Manganese:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **DIC:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Bicarbonate:**  
- **Carbonate:**  
- **Sodium:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

## Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:

## Aquifer Test:
- **Rec'd Rate:** m³/day  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 97.5 (m)
- **NPWL (m):** 15.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 64.9
- **Bottom (m):** 64.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Driven & Bentonite
- **from (m):** to 64.6

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 64.0
- **Bottom (m):** 97.5

**Perforated How:** Saw
- **from (m):** 73.2
- **to:** 97.5
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

**Open Hole:**
- **from (m):**

**Pump:** Sub
- **Model:** Jacuzzi 7s4518p
- **Intake (m):** 73.2

**Testing:**
- **Rate (lpm):** 9.1
- **Time (minute):** 420.0
- **Level End (m):** 73.2
- **Drawdown (m):** 57.6
- **Rec'd intake (m):** 61.0
- **Rec'd Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Con. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Strontium
- **Sodium:**
- **Nitrate:** Selenium
- **Potassium:** Molybdenum
- **Magnesium:**
- **TD:** Vanadium
- **Calcium:**
- **MN:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminium:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate & Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
## General:

- **Well Owner:** Edwards, Jim
- **Drilling Contractor:** Cobob Pumps And Services Ltd.

### Depth Elevation

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<th>(BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tr>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>11.3</td>
<td>Clay Brown</td>
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<tr>
<td>15.2</td>
<td>Sand Coarse Grained Brown</td>
</tr>
<tr>
<td>21.9</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>31.4</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>37.6</td>
<td>Sand</td>
</tr>
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<td>59.4</td>
<td>Gravel</td>
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<tr>
<td>61.3</td>
<td>Sandstone</td>
</tr>
<tr>
<td>66.4</td>
<td>Gravel</td>
</tr>
<tr>
<td>67.7</td>
<td>Sandstone</td>
</tr>
<tr>
<td>70.7</td>
<td>Shale Green</td>
</tr>
<tr>
<td>71.3</td>
<td>Sandstone</td>
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<tr>
<td>75.3</td>
<td>Shale Gray</td>
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<td>76.5</td>
<td>Sandstone</td>
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<td>Shale Gray</td>
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<td>80.5</td>
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<td>Shale Gray</td>
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<td>89.0</td>
<td>Sandstone</td>
</tr>
<tr>
<td>91.4</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

### Lithologic Description

- **Type:** Plastic
- **Depth:** 70.1 m
- **Bottom:** 70.1 m
- **OD (mm):** 125.4
- ** Thickness (mm):** 0.1

### Liner:

- **Type:** Shale Trap & Bentoni
- **Bottom:** 67.1 m
- **Top:** 68.6 m

### Screen:

- **Material:**
  - **OD (mm):**
    - **Thickness (mm):**

### Open Hole:

- **Size:**
  - **from (m):** to **to:**

### Pump:

- **Model:** Gould
- **Intake:** 61.0 lpm

### Laboratory:

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)
- **NPWL (m):** 16.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 68.3
- **Bottom (m):** 68.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Ring & Benton
- **from (m):** to 68.3

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 67.1
- **Bottom (m):** 85.3
- **Perforated How:** Other
- **from (m):** 70.1 to 82.3
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonyte:**
- **Bicarbonite:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
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<td>14.3</td>
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<td>27.7</td>
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</tr>
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<td>52.1</td>
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<td>63.1</td>
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<tr>
<td>85.3</td>
<td>658.0</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 19.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 60.7
- **Bottom (m):** 60.7
- **OD (mm):** 116.8
- **Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material: Ga**
- **OD (mm):** 1.4
- **from (m):** 60.7 to 61.0
- **Size:** 0.03
- **from (m):** to 61.0
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub
- **Intake (m):**

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 240.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log: No  
**Transmissivity:** m³/day

### Gamma Log: No  
**Storativity:**

### Aquifer Test: No  
**Project:**

### AEP Data: Yes  
**Database:** 1.000H

### Well Number: 06475
- **Elevation (AMSL) (m):** 743
- **AEP:** 394150
- **Licence No.:**
- **Easting:** 57,682.56
- **Northing:** 5,926,584.50
- **Date Started:** 16 Mar 77
- **Date Completed:** 18 Mar 77

### Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

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<th>Completed Depth</th>
<th>NPWL (m)</th>
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**Abandonment:**

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<tr>
<td>from (m):</td>
<td>to</td>
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**Liner:**

<table>
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<th>Type:</th>
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<td>OD (mm):</td>
<td>from (m): to</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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**Perforated How:**

| from (m): to | Size: |

**Screen:**

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<tbody>
<tr>
<td>OD (mm):</td>
<td>from (m): to</td>
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**Open Hole:**

| from (m): to |

**Pump:**

| Model: | Intake (m): |

**Testing:**

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<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tbody>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

### Laboratory:

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Nitrate:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Electric Log:</th>
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<tbody>
<tr>
<td>Gamma Log:</td>
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<td>Storativity:</td>
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<td>Aquifer Test:</td>
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**Well Number:** 06476

**Elevation (AMSL) (m):** 732  
**AEP:** 364644  
**Date Started:**  
**Easting:** 57,798.73  
**Northing:** 5,926,849.50  
**Drilling Contractor:** Unknown Driller

**Licence No.:** Easting: 57,798.73  
**Date Completed:**

**Well Owner:** Wasylenchuk, Darren  
**Drilling Contractor:** Unknown Driller

**Well Number:** 06476  
**Well Owner:** Wasylenchuk, Darren  
**Drilling Contractor:** Unknown Driller
NW 19-052-01 W5M

Well Owner: Chartrand, Leo J.
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 739
AEP: 365757
Licence No.: Easting: 56,879.36
Date Started: 23 Jul 92 Northing: 5,926,820.50
Date Completed: 27 Jul 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 64.6 (m)
NPWL (m): 21.8
Abandonment:

Casing:
Type: Plastic
Depth (m): 59.1
Bottom (m): 59.1
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Driven & Shale Trap
from (m): to 58.8

Liner:
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 58.5
Bottom (m): 64.6

Perforated How: Machine
from (m): to 64.6
Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 39.6

Testing:
Rate (lpm): 27.4
Time (minute): 440.0
Level End (m): 29.3
Drawdown (m): 7.3
Rec'd intake (m): Rec'd Rate (lpm): 27.4

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number: 06478**

**Well Owner:** Faubert, Ray  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Elevation (AMSL) (m):** 736  
**Licence No.:** Easting: 56,771.44  
**AEP: 351823**  
**Date Started:** 10 Jul 90  
**Date Completed:** 11 Jul 90  
**Date Deposited:** 20 Feb 98

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 67.7 m  
- **NPWL (m):** 7.6  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 48.2  
- **Bottom (m):** 48.2  
- **OD (mm):** 152.4  
- **Thick (mm):** 0.1  
- **Seal Type:** Shale Trap  
- **from (m):** 48.2  
- **to:**

### Casing:

- **Type:** Plastic  
- **Depth (m):** 48.2  
- **Bottom (m):** 48.2  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 47.2  
- **Bottom (m):** 67.7  
- **Perforated How:** Other  
- **from (m):** 51.8  
- **to:** 65.5  
- **Size:**
- **from (m):** to  
- **to:**

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**  
- **Intake (m):**

### Testing:

- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 24.4  
- **Drawdown (m):** 16.8  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>Lead</td>
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### Electric Log:

- **No**  
- **Transmissivity:** m³/day

### Gamma Log:

- **No**  
- **Storativity:**

### Aquifer Test:

- **No**  
- **Database:** 1.000H

### Project:

- **Database:**

### AEP Data:

- **Yes**  
- **Well Field Verified:** No

### Depth Elevation:

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<td>668.2</td>
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### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 71.6
- **Bottom (m):** 71.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 71.6

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 120.0
- **Level End (m):** 67.1
- **Drawdown (m):** 47.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 06479

**Well Owner:** Holloway, Bill

**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 737

**AEP:** 363911

**Licence No.:**

**Date Started:** 08 May 91

**Easting:** 56,970.32

**Date Completed:** 14 May 91

**Northing:** 5,926,806.50

---

(printed on 2/20/98)
### General:
- **Type of Work**: New Well
- **Drilling Method**: Bored
- **Well Use**: Domestic
- **Completed Depth**: 21.0 (m)
- **NPWL (m)**: 10.4
- **Verified NPWL (m)**: 
- **Abandonment**:

### Casing:
- **Type**: Galvanized Steel
- **Depth (m)**: 19.8
- **Bottom (m)**: 19.8
- **OD (mm)**: 609.6
- **Thickness (mm)**: 0.0
- **Seal Type**: Puddled Clay
- **from (m)**: to 3.1

### Liner:
- **Type**: 
- **OD (mm)**: 
- **Thickness (mm)**: 
- **Top (m)**: to 
- **Bottom (m)**: 
- **Perforated How**: 
  - **from (m)**: to 
  - **Size**: 
  - **from (m)**: to 
  - **Size**: 
  - **from (m)**: to 
  - **Size**: 

### Screen:
- **Material**: 
- **OD (mm)**: 
- **from (m)**: to 
- **Size**: 
- **from (m)**: to 
- **Size**: 
- **from (m)**: to 
- **Size**: 

### Open Hole:
- **from (m)**: to 

### Pump:
- **Model**: 
- **Intake (m)**: 15.9

### Testing:
- **Rate (lpm)**: 45.6
- **Time (minute)**: 520.0
- **Level End (m)**: 13.4
- **Drawdown (m)**: 3.1
- **Rec'd intake (m)**: 
- **Rec'd Rate (lpm)**: 18.2

### Laboratory:
- **pH (pH unit)**: 
- **COD**: 
- **SAR**: 
- **Nickel**: 
- **TDS**: 
- **TKN**: 
- **Selenium**: 
- **Sodium**: 
- **Nitrate**: 
- **Strontium**: 
- **Potassium**: 
- **Nitrite**: 
- **Molybdenum**: 
- **Calcium**: 
- **Vanadium**: 
- **Magnesium**: 
- **TC**: 
- **Zinc**: 
- **Carbonate**: 
- **DIC**: 
- **Hydroxide**: 
- **Bicarbonate**: 
- **Arsenic**: 
- **Total Hardness**: 
- **Aluminum**: 
- **Barium**: 
- **Manganese**: 
- **Sulphate**: 
- **Beryllium**: 
- **Phosphate**: 
- **Chloride**: 
- **Cadmium**: 
- **Ion Balance**: 
- **Fluoride**: 
- **Chromium**: 
- **Amm. Nitrogen**: 
- **Iron**: 
- **Cobalt**: 
- **Total Phosphate**: 
- **TOC**: 
- **Copper**: 
- **Total Alkalinity**: 
- **Silica**: 
- **Lead**: 
- **Nitrate&Nitrite N**:

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: **06481**

**Well Owner:** Jerke, Otto

**Drilling Contractor:** Clear Water Drilling Ltd.

**Elevation (AMSL) (m):** 736

**Licence No.:** Easting: 56,771.44

**Date Started:** Northing: 5,926,763.00

**Date Completed:** 20 Mar 90

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 55.5
- **Bottom (m):** 55.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 55.5

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 73.2
- **Perforated How:** Machine
- **from (m):** 54.9 to 73.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:** Sub
- **Model:**
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 34.2
- **Time (minute):** 360.0
- **Level End (m):** 16.1
- **Drawdown (m):** 0.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 31.9

---

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **Nickel**
- **TDS:** TKN
- **Selenium**
- **Sodium:** Nitrate
- **Strontium**
- **Potassium:** Nitrite
- **Molybdenum**
- **Calcium:** TN
- **Vanadium**
- **Magnesium:** TC
- **Zinc**
- **Carbonate:** DIC
- **Hydroxide**
- **Bicarbonate:** Arsenic
- **Total Hardness**
- **Aluminium:** Barium
- **Manganese**
- **Sulphate:** Beryllium
- **Phosphate**
- **Chloride:** Cadmium
- **Ion Balance**
- **Fluoride:** Chromium
- **Amm. Nitrogen**
- **Iron:** Cobalt
- **Total Phosphate**
- **TOC:** Copper
- **Total Alkalinity**
- **Silica:** Lead
- **Nitrate&Nitrite N**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

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Water Well Positioned by PFRA in 10TM NAD 27
**NW 19-052-01 W5M**

**Well Owner:** Kuntz, Terry  
**Drilling Contractor:** Double R Drig

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<td>Northing:</td>
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**Well Number:** 06482

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Jet  
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)  
**NPWL (m):** 12.2  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 49.4  
- **Bottom (m):** 49.4  
- **OD (mm):** 152.4  
- **Thickness (mm):**

**Seal Type:** Shale Trap
- **from (m):** to 49.4

**Liner:**
- **Type:**
- **OD (mm):** 101.6  
- **Thickness (mm):** 0.1  
- **Top (m):** Bottom (m): 61.0

**Perforated How:** Machine
- **from (m):** 51.8 to 61.0  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 182.4  
- **Time (minute):** 180.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 30.5  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Open Hole:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.8 m
- **NPWL (m):** 19.2
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 68.3
  - **Bottom (m):** 68.3
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
  - **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 79.8
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 67.1
  - **Bottom (m):** 79.8
  - **Perforated How:** Saw
  - **from (m):** to 79.2
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 67.1
- **Testing:**
  - **Rate (lpm):** 36.5
  - **Time (minute):** 180.0
  - **Level End (m):** 50.3
  - **Drawdown (m):** 31.1
  - **Rec’d intake (m):** 50.3
  - **Rec’d Rate (lpm):** 27.4

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Nitrite:**
- **Potassium:**
- **Selenium:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Manganese:**
- **Beryllium:**
- **Boron:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrites:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on 2/20/98**
**NW 19-052-01 W5M**

**Well Owner:** Nikish, Bob  
**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number:** 06484  
**Elevation (AMSL) (m):** 745  
**AEP:** 365830  
**Licence No.:**  
**Easting:** 56,394.86  
**Date Started:** 22 Aug 92  
**Northing:** 5,926,583.00  
**Date Completed:** 22 Aug 92

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</tr>
<tr>
<td>Top (m): 51.8</td>
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<tr>
<td>from (m): to 67.1</td>
<td>Size:</td>
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<td>from (m): to</td>
<td>Size:</td>
<td></td>
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</tr>
<tr>
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<td>Size:</td>
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<td></td>
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<tr>
<td>Screen:</td>
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<tr>
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<tr>
<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
<td></td>
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</tr>
<tr>
<td>Open Hole:</td>
<td></td>
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</tr>
<tr>
<td>from (m): to</td>
<td></td>
<td></td>
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<tr>
<td>Pump: Sub</td>
<td></td>
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<td>Model:</td>
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<td>Drawdown (m): 45.7</td>
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<td></td>
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<tr>
<td>Rec'd intake (m): 53.3</td>
<td>Rec'd Rate (lpm): 68.4</td>
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<td></td>
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**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Cadmium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nickel:**
- **Selenium:**
- **Sulfate:**
- **Molybdenum:**
- **Manganese:**
- **Sodium:**
- **Barium:**
- **Mercury:**
- **Magnesium:**
- **Vanadium:**
- **Phosphate:**
- **Ammonia:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Total Hardness:**
- **Nitrite:**
- **Vanadium:**
- **Iron:**
- **Strontium:**
- **Uranium:**
- **Barium:**
- **Phosphate:**
- **Magnesium:**
- **Sulfate:**
- **Cadmium:**
- **Chloride:**
- **Cobalt:**
- **Total Alkalinity:**
- **Total Hardness:**
- **Nitrate & Nitrite N:**
- **Barium:**
- **Phosphate:**
- **Magnesium:**
- **Sulfate:**
- **Cadmium:**
- **Chloride:**
- **Cobalt:**
- **Total Alkalinity:**
- **Total Hardness:**
- **Nitrate & Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Database:** 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

**Printed on:** 2/20/98
**NW 19-052-01 W5M**

**Well Number:** 06485

**Well Owner:** O'Connor, Bob

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 736

**AEP:** 366874

**Licence No.:**

**Date Started:** 06 Oct 92

**Easting:** 56,771.44

**Date Completed:** 07 Oct 92

**Northing:** 5,926,763.00

---

**General:**

Type of Work: New Well

Drilling Method: Rotary

Well Use: Domestic & Stock

Completed Depth: 56.1 (m)

NPWL (m): 36.6

Verified NPWL (m):

Abandonment:

**Casing:**

Type: Plastic

Depth (m): 42.7

Bottom (m): 42.7

OD (mm): 152.4

Thickness (mm): 0.1

Seal Type: Formation Seal

from (m): to 42.7

**Liner:**

Type: 

OD (mm): 127.0

Thickness (mm): 0.1

Top (m): 39.3

Bottom (m): 55.2

Perforated How: Saw

from (m): 39.3 to 55.2

Size:

from (m): to

Size:

from (m): to

Size:

**Screen:**

Material:

OD (mm):

from (m): to

Size:

from (m): to

Size:

**Open Hole:**

from (m): to

**Pump:**

Model:

Intake (m):

**Testing:**

Rate (lpm): 22.8

Time (minute): 420.0

Level End (m): 39.6

Drawdown (m): 3.1

Rec'd intake (m): Rec'd Rate (lpm):

---

**Laboratory:**

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<thead>
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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
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<td>Nitrate</td>
<td>Strontium</td>
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<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
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<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Barium</td>
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<td>Sulphate</td>
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<td>Phosphorus</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

(BGL) (AMSL)

<table>
<thead>
<tr>
<th>Lithologic Description</th>
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<tr>
<td>7.6 728.2</td>
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<td>17.7 718.1</td>
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<td>18.9 716.9</td>
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<td>29.3 706.6</td>
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<td>32.0 703.8</td>
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<tr>
<td>33.2 702.6</td>
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<tr>
<td>37.8 698.0</td>
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<td>45.7 690.1</td>
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<tr>
<td>56.1 679.7</td>
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**Electric Log:** No

Transmissivity: m³/day

**Gamma Log:** No

Storativity:

**Aquifer Test:** No

Project: Database: 1.000H

**AEP Data:** Yes

Well Field Verified: No

---

*printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 74.7 m (m)
- **NPWL (m):** 21.9
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Steel
- **Depth (m):** 61.6
- **Bottom (m):** 61.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 61.3

#### Liner:
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 73.2
- **Perforated How:** Saw
- **from (m):** 62.5 to 73.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):** 57.9
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit)**
- **COD**
- **Mercury**
- **SAR**
- **Nickel**
- **TDS**
- **TKN**
- **Selenium**
- **Sodium**
- **Nitrate**
- **Strontium**
- **Potassium**
- **Nitrite**
- **Molybdenum**
- **Calcium**
- **TN**
- **Vanadium**
- **Magnesium**
- **TC**
- **Zinc**
- **Carbonate**
- **DIC**
- **Hydroxide**
- **Bicarbonate**
- **Arsenic**
- **Total Hardness**
- **Aluminum**
- **Barium**
- **Manganese**
- **Sulphate**
- **Beryllium**
- **Phosphate**
- **Chloride**
- **Cadmium**
- **Ion Balance**
- **Fluoride**
- **Chromium**
- **Amm. Nitrogen**
- **Iron**
- **Cobalt**
- **Total Phosphate**
- **TOC**
- **Copper**
- **Total Alkalinity**
- **Silica**
- **Lead**
- **Nitrate & Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **AEP:** Yes
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on 2/20/98**
**NW 19-052-01 W5M**

**Well Number:** 06487

**Well Owner:** Osborne, Ray  
**Drilling Contractor:** Kap’S Drilling Ltd.

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<th>Elevation (AMSL) (m): <strong>735</strong></th>
<th>AEP: <strong>380498</strong></th>
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<tr>
<td>Licence No.:</td>
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<tr>
<td>Date Started: <strong>19 Aug 92</strong></td>
<td>Easting: <strong>56,674.32</strong></td>
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<td>Date Completed: <strong>20 Aug 92</strong></td>
<td>Northing: <strong>5,926,302.00</strong></td>
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</table>

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 85.3 (m)  
**NPWL (m):** 20.7  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 67.1  
- **Bottom (m):** 67.1  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 67.1

**Liner:**
- **Type:**  
- **OD (mm):** 88.9  
- **Thickness (mm):** 0.1  
- **Top (m):** 66.8  
- **Bottom (m):** 85.3  
- **Perforated How:** Saw  
- **from (m):** to 85.0  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):** 54.9  
- **Rec’d intake (m):** 33.5  
- **Rec’d Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **DIC:**
- **Carbonate:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<td>726.1</td>
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<td>22.9</td>
<td>712.4</td>
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<td>703.3</td>
<td>Sand Gray</td>
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<td>51.8</td>
<td>683.4</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>54.3</td>
<td>681.0</td>
<td>Sandstone Yellow</td>
</tr>
<tr>
<td>68.6</td>
<td>666.7</td>
<td>Shale</td>
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<td>70.1</td>
<td>665.2</td>
<td>Sandstone</td>
</tr>
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<td>75.0</td>
<td>660.3</td>
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<td>76.2</td>
<td>659.1</td>
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<td>80.5</td>
<td>654.8</td>
<td>Shale</td>
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<td>85.0</td>
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</tr>
<tr>
<td>85.3</td>
<td>649.9</td>
<td>Shale</td>
</tr>
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</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**NW 19-052-01 W5M**

**Well Owner:** Osborne, Ray

**Drilling Contractor:** Westar Water Well Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 86.9 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 74.4
- **Bottom (m):** 74.4
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): to 68.0

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 67.1
- **Bottom (m):** 86.9

**Perforated How:** Machine
- from (m): 68.9 to 86.9
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):** 61.0

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 61.0
- **Drawdown (m):** 42.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Nitrite:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NW 19-052-01 W5M**

**Well Owner:** Osness, Joanne/Norman  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Elevation (AMSL) (m):** 736  
**AEP:** 418212  
**Date Started:** 23 Oct 95  
**Date Completed:** 23 Oct 95

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<th>Depth Elevation</th>
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<td>(BGL) (AMSL)</td>
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<td>Completed Depth 82.0 (m)</td>
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<td>from (m): to Size:</td>
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<tr>
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<td>AEP Data: Yes</td>
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**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
**NW 19-052-01 W5M**

**Well Owner:** Patenaude, Nancye  
**Drilling Contractor:** Mccinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 736  
**AEP:** 353709  
**Licence No.:** Easting: 56,771.44  
**Date Started:** 05 Dec 90  
**Northing:** 5,926,763.00  
**Date Completed:** 07 Dec 90

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 105.2 (m)  
- **NPWL (m):** 45.7  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 90.8  
- **Bottom (m):** 90.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 90.8  

**Linier:**
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 87.8  
- **Bottom (m):** 104.2  
- **Perforated How:**  
- **from (m):** to 104.2  
- **Size:**  
- **from (m):** to Size  
- **from (m):** to Size

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size  
- **from (m):** to Size

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 16.0  
- **Time (minute):** 420.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 15.2  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TN:**  
- **TN:**  
- **TC:**  
- **DIC:**  
- **Nitrates:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Selenium:**  
- **Calcium:**  
- **TC:**  
- **Magnesium:**  
- **Molybdenum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Iron:**  
- **Cobalt:**  
- **TOC:**  
- **Copper:**  
- **Silica:**  
- **Lead:**  
- **Nitrates:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 19-052-01 W5M**

Well Owner: **Thomson, Ray**  
Drilling Contractor: **D&D Water Well Drilling & Services**

**General:**  
Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**  
Completed Depth: **71.6 m**  
NPWL (m): **10.7**  
Abandonment: 

**Casing:**  
Type: **Plastic**  
Depth (m): **54.9**  
Bottom (m): **54.9**  
OD (mm): **152.4**  
Thick. (mm): **0.1**  
Seal Type: **Shale Trap & Welded**

**Liner:**  
Type: **Plastic**  
OD (mm): **114.3**  
Thick. (mm): **0.1**  
Top (m): **53.3**  
Bottom (m): **71.6**

**Screen:**  
Material:  
from (m): **59.4**  
to **71.6**  
Size: 

**Open Hole:**  
from (m): **to**

**Pump:**  
Model:  
Intake (m):

**Testing:**  
Rate (lpm): **91.2**  
Time (minute): **120.0**  
Level End (m): **18.3**  
Drawdown (m): **7.6**  
Rec'd intake (m):  
Rec'd Rate (lpm):

**Laboratory:**  
- pH (pH unit)  
- Cond. (µS/cm)  
- Sodium  
- Potassium  
- Calcium  
- Magnesium  
- Carbonate  
- Bicarbonate  
- Aluminium  
- Sulphate  
- Chloride  
- Fluoride  
- Iron  
- Iron  
- TOC  
- Silica  
- Beryllium  
- Cadmium  
- Chromium  
- Cobalt  
- Copper  
- Lead  
- Mercury  
- Nickel  
- Strontium  
- Molybdenum  
- Zinc  
- Hydroxide  
- Total Hardness  
- Manganese  
- Phosphate  
- Ion Balance  
- Amm. Nitrogen  
- Total Phosphate  
- Total Alkalinity  
- Nitrate  
- Nitrite  
- Sodium  
- Manganese  
- Phosphate  
- Sulphate  
- Chloride  
- Fluoride  
- Iron  
- TOC  
- Silica  
- Beryllium  
- Cadmium  
- Chromium  
- Cobalt  
- Copper  
- Lead  
- Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number: 06492**

**Webster, Ralph**

**Mcginn, Gerald Drilling Ltd.**

**Well Owner:** Webster, Ralph

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** NW 19-052-01 W5M

**Elevation (AMSL) (m):** 728

**AEP:** 354795

**Licence No.:** Easting: 56,808.44

**Date Started:** 04 Oct 85

**Northing:** 5,927,002.00

**Date Completed:** 08 Oct 85

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 121.0 (m)
- **NPWL (m):** 29.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 83.5
- **Bottom (m):** 83.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 9.1
- **Time (minute):** 420.0
- **Level End (m):** 73.2
- **Drawdown (m):** 44.2
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Selenium:**
- **Molybdenum:**
- **Sodium:**
- **Nickel:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Vanadium:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphorus:**
- **Cadmium:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing:
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
**NW 19-052-01 W5M**

**Well Owner:** Ziehe, Frank  
**Drilling Contractor:** Kap'S Drilling Ltd.

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3m
- **NPWL:** 17.7m
- **Elevation (AMSL):** 734
- **Date Started:** 18 Aug 92
- **Drilling Contractor:** Northing: 5,926,306.50
- **Date Completed:** 19 Aug 92

### Casing:
- **Type:** Steel
- **Depth:** 73.5m to 73.5m
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **Elevation (BGL):** 6.1
- **Type of Work:** New Well
- **Well Use:** Domestic

### Liner:
- **Type:** Steel
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 73.2
- **Bottom (m):** 85.3
- **Perforated How:** Saw
- **Size:**
  - from (m): 73.8 to 84.7
  - to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):**
- **Intake (m):** 54.9
- **Model:**
- **Elevation (BGL):** 6.1
- **Rate (lpm):** 31.9
- **Testing:**
  - Time (minute): 420.0
  - Drawdown (m): 37.2
  - Rec’d intake (m):
  - Rec’d Rate (lpm): 31.9

### Pump:
- **Model:**
- **Intake (m):** 54.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Total Hardness:**
- **Phosphate:**
- **Ion Balance:**
- **TC:**
- **Magnesium:**
- **Calcium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Iron:**
- **Nitrate:**
- **Nitrite:**
- **Vanadium:**
- **Bicarbonate:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Nitrate:**
- **Nitrite:**
- **NS:**
- **Silica:**
- **Lead:**
- **Nitrate*Nitrite:**
- **Bicarbonate:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Nitrate:**
- **Nitrite:**
- **NS:**
- **Silica:**
- **Lead:**
- **Nitrate*Nitrite:**

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06493

**Elevation (AMSL):** 734

**AEP:** 367342

**Licence No.:**

**Easting:** 56,617.27

**North:** 5,926,306.50

**Date Started:** 18 Aug 92

**Date Completed:** 19 Aug 92

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Transmissivity:** m³/day

**Storativity:**

**Aquifer Test:** No

**Project:**

**Electric Log:** No

**Gamma Log:** No

**Fluoride:**

**Iron:**

**TOC:**

**Silica:**

**Remote:**

**Remarks:**

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

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printed on 2/20/98
## SW 19-052-01 W5M

**Well Owner:** Jansen, Joy  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 742  
**Licence No.:** 366645  
**Date Started:**  
**Date Completed:**

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<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<td><strong>Type of Work:</strong> Chemistry</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
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<tr>
<td><strong>Depth (m):</strong></td>
<td><strong>Bottom (m):</strong></td>
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</tr>
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<td><strong>OD (mm):</strong></td>
<td><strong>Thickness (mm):</strong></td>
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<tr>
<td><strong>Seal Type:</strong> from (m):</td>
<td>to</td>
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<td><strong>Type:</strong></td>
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</tr>
<tr>
<td><strong>OD (mm):</strong></td>
<td><strong>Thickness (mm):</strong></td>
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<tr>
<td><strong>Top (m):</strong></td>
<td><strong>Bottom (m):</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Perforated How:</strong> from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td><strong>Thickness (mm):</strong></td>
<td></td>
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<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
<td>Size:</td>
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<th>Open Hole:</th>
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<tbody>
<tr>
<td><strong>Model:</strong></td>
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<tr>
<td><strong>Intake (m):</strong></td>
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<td></td>
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<tr>
<td><strong>Intake (m):</strong></td>
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<th>Testing:</th>
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<tr>
<td><strong>Rate (lpm):</strong></td>
<td><strong>Time (minute):</strong></td>
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<tr>
<td><strong>Level End (m):</strong></td>
<td><strong>Drawdown (m):</strong></td>
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</tr>
<tr>
<td><strong>Rec'd intake (m):</strong></td>
<td><strong>Rec'd Rate (lpm):</strong></td>
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<tbody>
<tr>
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<td><strong>Aquifer Test:</strong> No</td>
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<td><strong>AEP Data:</strong> Yes</td>
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<td><strong>Well Field Verified:</strong> No</td>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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<thead>
<tr>
<th>Laboratory:</th>
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<tr>
<td><strong>pH (pH unit):</strong></td>
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<td><strong>Mercury:</strong></td>
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<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td><strong>SAR:</strong></td>
<td><strong>Nickel:</strong></td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
<td><strong>TKN:</strong></td>
<td><strong>Selenium:</strong></td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
<td><strong>Nitrate:</strong></td>
<td><strong>Strontium:</strong></td>
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<td><strong>Potassium:</strong></td>
<td><strong>Nitrite:</strong></td>
<td><strong>Molybdenum:</strong></td>
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<td><strong>Calcium:</strong></td>
<td><strong>TN:</strong></td>
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<td><strong>TC:</strong></td>
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<td><strong>Phosphate:</strong></td>
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<td><strong>Cadmium:</strong></td>
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<td><strong>Chromium:</strong></td>
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<td><strong>Cobalt:</strong></td>
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<td><strong>TOC:</strong></td>
<td><strong>Copper:</strong></td>
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<tr>
<td><strong>Silica:</strong></td>
<td><strong>Lead:</strong></td>
<td><strong>Nitrate &amp; Nitrite N:</strong></td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **Open Hole:**
  - from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevating (BGL) (AMSL):**
- (m) (m)

**Lithologic Description:**

(No Lithologic Information Available)
Well Owner: Alta Env #1312e
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 732
Licence No.: 412756
Date Started: 58,304,36
Date Completed: 09 Oct 74

Well Number: 06496

General:
Type of Work: Test Hole-Abandoned
Drilling Method: Unknown
Well Use: Investigation

Completed Depth: 74.7 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphorus
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Electric Log: Yes Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**Well Number:** 06497

**Well Owner:** Mcrae, Dave

**Drilling Contractor:** D&D Water Well Drilling & Services

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 93.6 (m)
- **NPWL (m):** 18.9
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 71.3
  - **Bottom (m):** 71.3
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
  - **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 71.3

**Drilling Method:**
- **Type:** Plastic
- **Depth (m):** 71.3
- **Bottom (m):** 71.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Perforated How:** Saw
  - **from (m):** 79.6 to 92.1
  - **Size:**
  - **from (m):** to 92.1
  - **Size:**
  - **from (m):** to 92.1

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 93.6

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 29.9
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:** (pH unit)
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06497

**Elevation (AMSL) (m):** 735

**AEP:** 377740

**Licence No.:** Easting: 59,776.91

**Date Started:** 20 Jul 93

**Northing:** 5,925,930.00

**Date Completed:** 21 Jul 93

**Depth Elevation**

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<thead>
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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>18.0</td>
<td>717.0</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>59.7</td>
<td>675.3</td>
<td>Sand</td>
</tr>
<tr>
<td>64.9</td>
<td>670.1</td>
<td>Sandstone</td>
</tr>
<tr>
<td>72.8</td>
<td>662.2</td>
<td>Shale Green</td>
</tr>
<tr>
<td>79.6</td>
<td>655.5</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>81.7</td>
<td>653.3</td>
<td>Sandstone</td>
</tr>
<tr>
<td>85.6</td>
<td>649.4</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>92.1</td>
<td>643.0</td>
<td>Sandstone</td>
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<tr>
<td>93.6</td>
<td>641.4</td>
<td>Shale Gray</td>
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</table>

**Remarks:**

**Well Field Verified:** No
**Well Number 06498**

**Water Well Positioned by PFRA in 10TM NAD 27**

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: Test Hole</td>
<td></td>
<td>4.6 715.9 Silt Sandy Brown</td>
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<tr>
<td>Drilling Method: Unknown</td>
<td></td>
<td>9.8 710.8 Silt Sandy Dark Brown</td>
</tr>
<tr>
<td>Well Use: Investigation</td>
<td></td>
<td>15.9 704.7 Sand &amp; Coal Light Brown</td>
</tr>
<tr>
<td>Completed Depth 88.4 (m)</td>
<td></td>
<td>19.8 700.7 Silt Soft Dark Gray</td>
</tr>
<tr>
<td>NPWL (m): Verified NPWL (m):</td>
<td></td>
<td>21.3 699.2 Sand &amp; Coal Light Brown</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td>22.3 698.3 Silt Soft Gray</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
<td>25.9 694.6 Coal Hard Black</td>
</tr>
<tr>
<td>Type:</td>
<td></td>
<td>32.6 687.9 Sand &amp; Gravel Fine Grained</td>
</tr>
<tr>
<td>Depth (m): Bottom (m):</td>
<td></td>
<td>33.5 687.0 Silt Lacustrine Gray</td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
<td>40.2 680.3 Sand &amp; Gravel Light Gray</td>
</tr>
<tr>
<td>Seal Type:</td>
<td></td>
<td>42.4 678.1 Coal Sandy Black</td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
<td>46.9 673.6 Gravel</td>
</tr>
<tr>
<td>Liner:</td>
<td></td>
<td>48.8 671.7 Till &amp; Gravel Sandy Light Gray</td>
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<tr>
<td>Type:</td>
<td></td>
<td>57.9 662.6 Gravel Fine Grained</td>
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<td>OD (mm): Thickness (mm):</td>
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<td>79.2 641.3 Coal Black</td>
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<tr>
<td>Top (m): Bottom (m):</td>
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<td>81.7 638.8 Gravel Fine Grained</td>
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<tr>
<td>Perforated How:</td>
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<td>83.8 636.7 Siltstone Dark Gray</td>
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<tr>
<td>from (m): to</td>
<td></td>
<td>88.4 632.1 Siltstone &amp; Siltstone Gray</td>
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<tr>
<td>Size:</td>
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<td>8.8 629.3 Silt Stone &amp; Siltstone Gray</td>
</tr>
<tr>
<td>Screen:</td>
<td></td>
<td>9.9 625.5 Clay &amp; Siltstone Gray</td>
</tr>
<tr>
<td>Material:</td>
<td></td>
<td>10.0 622.5 Clay &amp; Siltstone Gray</td>
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<tr>
<td>OD (mm):</td>
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<td>10.1 619.5 Clay &amp; Siltstone Gray</td>
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<tr>
<td>from (m): to</td>
<td></td>
<td>10.2 616.5 Clay &amp; Siltstone Gray</td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
<td>10.3 613.5 Clay &amp; Siltstone Gray</td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
<td>10.4 610.5 Clay &amp; Siltstone Gray</td>
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<tr>
<td>Pump:</td>
<td></td>
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<tr>
<td>Model: Intake (m):</td>
<td></td>
<td>10.6 604.5 Clay &amp; Siltstone Gray</td>
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<tr>
<td>Testing:</td>
<td></td>
<td>10.7 601.5 Clay &amp; Siltstone Gray</td>
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<tr>
<td>Rate (lpm): Time (minute):</td>
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<td>10.8 598.5 Clay &amp; Siltstone Gray</td>
</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
<td></td>
<td>10.9 595.5 Clay &amp; Siltstone Gray</td>
</tr>
<tr>
<td>Rec’d intake (m): Rec’d Rate (lpm):</td>
<td></td>
<td>11.0 592.5 Clay &amp; Siltstone Gray</td>
</tr>
</tbody>
</table>

| Laboratory: | | Electric Log: Yes |
| pH (pH unit) | COD Mercury | Transmissivity: m²/day |
| Cond. (µS/cm) | SAR Nickel | Gamma Log: No |
| TDS | TKN Selenium | Storativity: |
| Sodium | Nitrate Strontium | Aquifer Test: No |
| Potassium | Nitrite Molybdenum | Project: |
| Calcium | TN Vanadium | AEP Data: Yes |
| Magnesium | TC Zinc | Well Field Verified: No |
| Carbonate | DIC Hydroxide | Chemical Constituents are in mg/l (ppm). Except as noted. |
| Bicarbonate | Arsenic Total Hardness | |
| Aluminium | Barium Manganese | |
| Sulphate | Beryllium Phosphate | |
| Chloride | Cadmium Ion Balance | |
| Fluoride | Chromium Amm. Nitrogen | |
| Iron | Cobalt Total Phosphate | |
| TOC | Copper Total Alkalinity | |
| Silica | Lead Nitrate&Nitrite N | |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: **06499**

**Well Owner:** Kulak, Ralph

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Licence No.:** Easting: 61,387.15

**Date Started:** 10 Sep 79

**Date Completed:** 14 Sep 79

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>9.1</td>
<td>721.5</td>
<td>Sand</td>
</tr>
<tr>
<td>21.3</td>
<td>709.3</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>39.6</td>
<td>691.0</td>
<td>Silt</td>
</tr>
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<td>56.4</td>
<td>674.3</td>
<td>Clay Silty</td>
</tr>
<tr>
<td>62.5</td>
<td>668.2</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>94.5</td>
<td>636.2</td>
<td>Clay Yellow</td>
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<tr>
<td>98.1</td>
<td>632.5</td>
<td>Gravel</td>
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<tr>
<td>99.1</td>
<td>631.6</td>
<td>Clay Hard Blue</td>
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<td>109.4</td>
<td>621.2</td>
<td>Shale Greenish Gray</td>
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<tr>
<td>111.3</td>
<td>619.4</td>
<td>Shale Brown</td>
</tr>
<tr>
<td>118.9</td>
<td>611.8</td>
<td>Shale Dark Gray</td>
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<tr>
<td>119.5</td>
<td>611.2</td>
<td>Coal</td>
</tr>
<tr>
<td>121.9</td>
<td>608.7</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>134.1</td>
<td>596.5</td>
<td>Shale Dark Gray</td>
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<tr>
<td>137.2</td>
<td>593.5</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>141.7</td>
<td>588.9</td>
<td>Shale Dark Gray</td>
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<tr>
<td>144.8</td>
<td>585.9</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>150.9</td>
<td>579.8</td>
<td>Shale Dark Gray</td>
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<tr>
<td>151.8</td>
<td>578.9</td>
<td>Coal</td>
</tr>
<tr>
<td>156.7</td>
<td>574.0</td>
<td>Shale Dark Gray</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 156.7 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 99.7
  - **Bottom (m):** 99.7
  - **OD (mm):** 114.3
  - **Thickness (mm):**
- **Seal Type:** Formation Seal
- **from (m):** to 99.7

**Casing:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):** to 155.8
  - **Bottom (m):**
- **Perforated How:** Torch
  - **from (m):** to 155.8
  - **Size:**
  - **from (m):** to 155.8
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 30.5
- **Drawdown (m):** 12.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Open Hole:**
- **Pump:**
- **Testing:**
- **Laboratory:**
- **Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**
### NE 23-052-01 W5M

**Well Owner:** Kulak, Mark  
**Drilling Contractor:** D&D Water Well Drilling & Services

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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<tbody>
<tr>
<td>Well Number</td>
<td>06500</td>
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<tr>
<td>Elevation (AMSL) (m)</td>
<td>715</td>
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<tr>
<td>AEP</td>
<td>373905</td>
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<tr>
<td>Licence No.</td>
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<tr>
<td>Date Started</td>
<td>20 Sep 93</td>
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<tr>
<td>Date Completed</td>
<td>20 Sep 93</td>
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<tr>
<td>Licence No.</td>
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<tr>
<td>Easting</td>
<td>63,834.11</td>
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<tr>
<td>Northing</td>
<td>5,927,156.00</td>
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#### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 46.9 m  
- **NPWL (m):** 5.2  
- **Verified NPWL (m):**  
- **Abandonment:**
- **Casing:***
  - **Type:** Plastic  
  - **Depth:** 39.9 m  
  - **Bottom:** 39.9 m  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite & Cement  
- **from (m):** to 24.4

#### Liner:
- **Type:**  
- **Thickness:**  
- **Top:**  
- **Bottom:**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**

#### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** to 39.9  
- **Bottom:** 41.5 m  
- **Size:** 0.01

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):** 41.5

#### Testing:
- **Rate (lpm):** 364.9  
- **Time (minute):** 120.0  
- **Level End (m):** 7.6  
- **Drawdown (m):** 2.4  
- **Rec'd intake (m):** 12.2  
- **Rec'd Rate (lpm):** 45.6

#### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

#### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**Well Number**: 06501

**Well Owner**: Kulak, Theodore

**Drilling Contractor**: D&D Water Well Drilling & Services

**Elevation (AMSL) (m)**: 714

**AEP**: 443869

**Date Started**:

**Easting**: 64,195.79

**Date Completed**: 5,926,667.34

---

### General

- **Type of Work**: Old Well-Abandoned
- **Drilling Method**: Unknown
- **Well Use**: Domestic
- **Completed Depth**: 48.8 (m)
- **NPWL**: Verified NPWL (m):
- **Abandonment**: Bentonite Product 29 Feb 96

### Casing

<table>
<thead>
<tr>
<th>Type</th>
<th>Depth (m)</th>
<th>OD (mm)</th>
<th>Seal Type</th>
<th>Lithologic Description</th>
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<tbody>
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<td></td>
<td>Bottom (m):</td>
<td>Thickness (mm):</td>
<td>from (m): to</td>
<td>(No Lithologic Information Available)</td>
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### Liner

<table>
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<tr>
<th>Type</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
<th>Perforated How: from (m): to</th>
<th>Size:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Top (m):</td>
<td>Bottom (m):</td>
<td>from (m): to</td>
<td>Size:</td>
</tr>
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</table>

### Screen

<table>
<thead>
<tr>
<th>Material</th>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
<th>Screen from (m): to</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>from (m): to</td>
<td>Top (m):</td>
<td>Size:</td>
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### Open Hole

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>Intake (m):</th>
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</thead>
<tbody>
<tr>
<td>Testing Rate (lpm):</td>
<td>Time (minute):</td>
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<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

### Laboratory

- **pH (pH unit)**: 8.20
- **Cond. (µS/cm)**: 635.0
- **TDS**: 349.0
- **Sodium**: 25.07
- **Potassium**: 3.13
- **Calcium**: 86.97
- **Magnesium**: 21.04
- **Carbonate**: DIC
- **Bicarbonate**: 411.21
- **Aluminum**: Barium
- **Potassium**: 10.09
- **Chloride**: 1.06
- **Fluoride**: 35.00
- **Iron**: 1.60
- **TOC**: 21.04
- **Silica**: 19.50
- **pH**: 8.20
- **COD**: Mercury
- **SAR**: Nickel
- **TKN**: Selenium
- **Nitrates**: Molybdenum
- **TN**: Vanadium
- **Manganese**: Zinc
- **DIC**: Hydroxide
- **pH**: Total Hardness
- **DIC**: Total Hardness
- **Bicarbonate**: Hydroxide
- **Barium**: Manganese
- **Potassium**: Phosphate
- **Aluminum**: Cadmium
- **Sodium**: Ion Balance
- **Fluoride**: Ammonia
- **Iron**: Cobalt
- **TOC**: Copper
- **Silica**: Lead

### Electric Log

- **Transmissivity**: m³/day
- **Gamma Log**: Storativity
- **Aquifer Test**: No
- **Database**: Project: 1.000H
- **AEP Data**: Yes
- **Well Field Verified**: No

**Remarks**: Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

---

printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 8.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 46.3
- **Bottom (m):** 46.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 27.4

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**

- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 46.3 to 47.9
- **Size:** 0.01
- **Open Hole:**
  - from (m): to

**Pump:**

- **Model:**
- **Intake (m):** 47.9

**Testing:**

- **Rate (lpm):** Time (minute): 120.0
- **Level End (m):** 22.6
- **Drawdown (m):** 14.0
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Project:** Database: 1.000H

**Well Field Verified:** No

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
General:

Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth 102.1 (m)
NPWL (m): 4.6 Verified NPWL (m):
Abandonment:

Casing:

Type: Plastic
Depth (m): 77.7 Bottom (m): 77.7
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap
from (m): to 77.7

Liner:

Type: Plastic
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 71.6 Bottom (m): 76.2

Perforated How: Other
from (m): 77.7 to 71.6 Size:
from (m): to Size:
from (m): to Size:

Screen:

Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:

from (m): to 

Pump:

Model: Intake (m):

Testing:

Rate (lpm): 31.9 Time (minute): 300.0
Level End (m): 61.0 Drawdown (m): 56.4
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

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<th>Potassium</th>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**01-25-052-01 W5M**

**Well Owner:** Alta Env #1474e  
**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 710  
**AEP:** 412758  
**Licence No.:** Easting: 65,949.84  
**Date Started:** Northing: 5,927.523.50  
**Date Completed:** 27 Aug 75

---

### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Unknown  
- **Well Use:** Investigation  
- **Completed Depth:** 79.2 (m)  
- **NPWL (m):** Verified  
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:** from (m): to
- **Screen:**
  - **Material:**
  - **OD (mm):** from (m): to  
  - **Thickness (mm):** from (m): to  
  - **Size:** from (m): to
- **Open Hole:** from (m): to

---

### Pump:
- **Model:**  
- **Intake (m):**
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):

---

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes Well Field Verified: No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on 2/20/98
**NE 25-052-01 W5M**

**Well Owner:** Multicultural Center  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.  

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Municipal  
- **Completed Depth:** 27.4 m  
- **NPWL (m):** 9.1  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 18.6  
- **Bottom (m):** 18.6  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  

**Liner:**  
- **Type:** OD (mm): Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**  
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 18.6 to 19.8 Size: 0.01  
- **from (m):** to Size:  

**Open Hole:**  
- from (m): to  

**Pump:**  
- **Model:**  
- **Intake (m):**  

**Testing:**  
- **Rate (lpm):** 16.0  
- **Time (minute):** 420.0  
- **Level End (m):** 16.8  
- **Drawdown (m):** 7.6  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Nitrite:**  
- **Beryllium:**  
- **Lead:**  
- **Cadmium:**  
- **Arsenic:**  
- **Arsenic:**  
- **Barium:**  
- **Manganese:**  
- **Beryllium:**  
- **Phosphate:**  
- **Cadmium:**  
- **Iron:**  
- **Iron:**  
- **TOC:**  
- **TOC:**  
- **Silica:**  
- **Silica:**  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number 06505**  
**Elevation (AMSL) (m):** 712  
**AEP:** 352826  
**Licence No.:**  
**Date Started:** 10 Jul 90  
**Easting:** 65,658.29  
**Nings:** 5,929,326.50  
**Date Completed:** 10 Jul 90

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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
Well Owner: Penner, Jake
Drilling Contractor: Summers, David Drilling

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 46.6 (m)
- NPWL: 12.2
- Veriﬁed NPWL: 
- Abandonment:

**Casing:**
- Type: Plastic
  - Depth (m): 45.1
  - Bottom (m): 45.1
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
  - from (m): 27.4 to 29.0

**Liner:**
- Type: St
  - OD (mm): 1.5
  - Thickness (mm): 
  - from (m): 45.1 to 46.6
  - Size: 0.01

**Screen:**
- Material: St
  - OD (mm): 
  - Thickness (mm): 
  - from (m): 
  - Size: 

**Open Hole:**
- from (m): 

**Pump:**
- Model: 
- Intake (m): 42.7

**Testing:**
- Rate (lpm): 228.1
- Time (minute): 120.0
- Level End (m): 42.7
- Drawdown (m): 30.5
- Rec'd intake (m): 30.5
- Rec'd Rate (lpm): 45.6

**Laboratory:**
- pH (pH unit): 
- Cond. (µS/cm): 
- TDS: 
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No
- Transmissivity: 
- Gamma Log: No
- Storativity: 
- Aquifer Test: No
- Project: 
- AEP Data: Yes
- Database: 1.000H
- Well Field Verified: No

**Printed on:** 2/20/98

**Well Number:** 06506
- Elevation (AMSL) (m): 713
- AEP: 443229
- Licence No.: 
- Date Started: 06 Nov 93
- Easting: 65,708.27
- Northing: 5,926,598.50
- Date Completed: 06 Nov 93

**Lithologic Description:**
- 9.1 703.5 Sand Silty
- 29.0 683.7 Clay
- 46.6 666.0 Sand
**NW 26-052-01 W5M**

**Well Owner:** Preuss, Sig  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 50.3 m  
- **NPWL (m):** 12.2  
- **Abandonment:**  
  - **Type:** Plastic  
  - **Depth (m):** 46.6  
  - **Bottom (m):** 46.6  
  - **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  
- **Liner:**  
  - **Type:**  
  - **OD (mm):**  
  - **Thickness (mm):**  
  - **Bottom (m):**  
  - **Perforated How:** from (m): to Size: from (m): to Size: from (m): to Size:  
- **Screen:**  
  - **Material:** St  
  - **OD (mm):** 0.9  
  - **Top (m):** 46.6  
  - **Bottom (m):** 47.9  
  - **Size:** 0.01  
  - **Open Hole:** from (m): to  
- **Pump:**  
  - **Model:**  
  - **Intake (m):**  
  - **Rate (lpm):** 91.2  
  - **Time (minute):** 420.0  
  - **Level End (m):** 15.2  
  - **Drawdown (m):** 3.1  
  - **Rec’d intake (m):**  
  - **Rec’d Rate (lpm):**  

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Nitrile:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Carbonate:**  
- **DIC:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Strontium:**  
- **Barium:**  
- **Manganese:**  
- **Aluminium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Vanadium:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number 06507**  
**Elevation (AMSL) (m):** 715  
**AEP:** 362763  
**Licence No.:** Easting: 62,944.32  
**Date Started:** 13 Sep 91  
**Northing: 5,928,158.00**  
**Date Completed:** 13 Sep 91  

---

**Depth**  
**Elevation**  
**(BGL) (AMSL)**  
**(m)**  
**(m)**  
**Lithologic Description**  
9.1 705.9 Clay Yellow  
15.2 699.8 Sand & Coal  
19.8 695.2 Clay Yellow  
24.4 690.6 Sand & Coal  
25.9 689.1 Clay Blue  
48.2 666.8 Sand & Coal  
50.3 664.7 Clay Blue

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 7.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 59.4
- **Bottom (m):** 59.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Cuttings
- **from (m):** to 59.4

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 59.4 to 61.0
- **Size:** 0.01

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 136.8
- **Time (minute):** 120.0
- **Level End (m):** 13.1
- **Drawdown (m):** 5.8
- **Rec'd intake (m):** 25.0
- **Rec'd Rate (lpm):** 136.8

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Chemical Constituents:**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.6</td>
<td>712.2</td>
<td>Clay Brown</td>
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<td>18.3</td>
<td>698.5</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>19.8</td>
<td>697.0</td>
<td>Clay Gray</td>
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<tr>
<td>42.7</td>
<td>674.1</td>
<td>Sand</td>
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<tr>
<td>50.3</td>
<td>666.5</td>
<td>Clay</td>
</tr>
<tr>
<td>61.0</td>
<td>655.8</td>
<td>Sand Coarse Grained Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Campbell, Brian
Drilling Contractor: Midwest Water Well Ltd.

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 91.4 (m)
NPWL (m): 7.6
Abandonment:

Casing:
Type: Steel
Depth (m): 82.0
Bottom (m): 82.0
OD (mm): 139.7
Thickness (mm): 0.1
Seal Type: Driven
from (m): 80.8 to 82.0

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 79.2
Bottom (m): 91.4
Perforated How: Hand Drill
from (m): 82.9 to 89.9
Size:
from (m): Size:
from (m): Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 67.1

Testing:
Rate (lpm): 31.9
Time (minute): 120.0
Level End (m): 67.1
Drawdown (m): 59.4
Rec'd intake (m): 70.1
Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Number 06509
Elevation (AMSL) (m): 718
Licence No.: 399303
Easting: 63,273.90
Date Started: 04 Oct 94
Northing: 5,927,740.00
Date Completed: 04 Oct 94

Depth Elevation (BGL) (AMSL) Lithologic Description
(m) (m)
0.9 717.3 Topsoil
5.2 713.1 Till Brownish Yellow
9.4 708.8 Sand Fine Grained Brown
11.6 706.7 Till Soft Blue
22.3 696.0 Sand & Rocks Fine Grained Brow
23.2 695.1 Sand & Gravel
25.9 692.3 Till Blue
38.7 679.5 Sand & Coal Fine Grained Blue
42.4 675.9 Gravel Pea
50.0 668.3 Sand & Coal Fine Grained Brown
55.8 662.5 Till Soft Blue
70.4 647.8 Sand & Coal Brown
78.0 640.2 Sand & Coal Gray
81.1 637.2 Gravel Yellow
83.5 634.7 Shale Gray
85.6 632.6 Coal
87.5 630.8 Sandstone Medium Grained
91.4 626.8 Shale Gray

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Printed on 2/20/98
SW 26-052-01 W5M

Well Number: 06510

Well Owner: Dwight Holdings/Rutherford, D
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 721
AEP: 365154
Licence No.: Easting: 63,000.22
Date Started: 12 May 92
Northing: 5,927,687.50
Date Completed: 13 May 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 48.8 (m)
NPWL (m): 10.7
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 43.9
Bottom: 43.9
OD (mm): 141.2
Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 43.9

Liner:
Type: St
OD (mm): 1.2
from (m): 43.9 to 45.4
Size: 0.01

Screen:
Material: St
OD (mm): 1.2
from (m): to

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 12.2

Testing:
Rate (lpm): 91.2
Time (minute): 420.0
Level End (m): 12.2
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Well Number**: 06511

**Elevation (AMSL) (m)**: 717

**AEP**: 418213

**Date Started**: 11 Sep 95

**Date Completed**: 11 Sep 95

**Drilling Contractor**: D&D Water Well Drilling & Services

**Well Owner**: Graf, Len

**Licence No.**: Easting: 63,556.70

**Northing**: 5,927,965.50

---

**General**:
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 42.7 (m)
- **NPWL (m)**: 9.4
- **Verified NPWL (m)**: 42.7
- **Abandonment**:

**Casing**:
- **Type**: Plastic
- **Depth (m)**: 39.6
- **Bottom (m)**: 39.6
- **OD (mm)**: 152.4
- **Thickness (mm)**: 0.1
- **Seal Type**: Bentonite Chips/Tabl
- **from (m)**: to 25.6

**Liner**:
- **Type**:
- **OD (mm)**: Thickness (mm):
- **Top (m)**: Bottom (m):
- **Perforated How**:
  - from (m): to m
  - Size:

**Screen**:
- **Material**: St
- **OD (mm)**: 1.5
- **from (m)**: 39.6 to 41.2

**Open Hole**:
- **from (m)**: to

**Pump**:
- **Model**:
- **Intake (m)**: 41.2

**Testing**:
- **Rate (lpm)**:
- **Time (minute)**: 120.0
- **Level End (m)**: 9.8
- **Rec'd intake (m)**: 18.3

**Laboratory**:
- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminum**
- **Barium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **COD**
- **SAR**
- **TKN**
- **NO3**
- **NO2**
- **NH3**
- **Cadmium**
- **Copper**
- **Lead**
- **Potassium**
- **Sodium**
- **Calcium**
- **Magnesium**
- **Manganese**
- **Iron**
- **Cobalt**
- **Copper**
- **Lead**
- **Nitrate**
- **Nitrite**
- **Cadmium**
- **Chromium**
- **Cobalt**
- **Chromium**
- **Potassium**
- **Sodium**
- **Calcium**
- **Magnesium**
- **Manganese**
- **Iron**
- **Cobalt**
- **Copper**
- **Lead**
- **Nitrate**
- **Nitrite**

**Remarks**:

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06512  

**SW 26-052-01 W5M**  

**Well Owner:** Hegi, Wade  
**Drilling Contractor:** Midwest Drilling Ltd.  

**Elevation (AMSL) (m):** 717  
**AEP:** 412405  
**Licence No.:** Easting: 63,595.47  
**Date Started:** 29 Jun 95  
**Northing:** 5,927,740.00  
**Date Completed:** 29 Jun 95

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<td>Shale Light Green</td>
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**General:**  
**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 97.5 (m)  
**NPWL (m):** 16.8  
**Abandonment:**  
**Casing:**  
**Type:** Steel  
**Depth (m):** 84.1  
**Bottom (m):** 84.1  
**OD (mm):** 139.7  
**Thickness (mm):** 0.1  
**Seal Type:** Driven  
**from (m):** 82.6 to 83.8  
**Liner:**  
**Type:**  
**OD (mm):** 114.3  
**Thickness (mm):** 0.1  
**Top (m):** 81.1  
**Bottom (m):** 97.5  
**Perforated How:** Hand Drill  
**from (m):** 86.9 to 93.9  
**Size:**  
**from (m):** to  
**Size:**  
**Screen:**  
**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  
**Open Hole:**  
**from (m):**  
**Pump:**  
**Model:**  
**Intake (m):** 61.0  
**Testing:**  
**Rate (lpm):** 36.5  
**Time (minute):** 120.0  
**Level End (m):** 54.9  
**Drawdown (m):** 38.1  
**Rec'd intake (m):** 76.2  
**Rec'd Rate (lpm):** 22.8  

**Laboratory:**  
**pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS:**  
**Sodium:**  
**Potassium:**  
**Calcium:**  
**Magnesium:**  
**Carbonate:**  
**Bicarbonate:**  
**Sulphate:**  
**Chloride:**  
**Fluoride:**  
**Iron:**  
**TOC:**  
**Silica:**  
**Lead:**  
**COD:**  
**SAR:**  
**TN:**  
**TC:**  
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

*printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 223.4 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 90.5
- **Bottom (m):** 90.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 90.5

**Casing:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 88.7
- **Bottom (m):** 122.5
- **Perforated How:** Saw
- **from (m):** 88.7
to 122.5  Size:
- **from (m):**
to Size:
- **from (m):**
to Size:

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 88.7
- **Bottom (m):** 122.5
- **Perforated How:** Saw
- **from (m):** 88.7
to 122.5  Size:
- **from (m):**
to Size:
- **from (m):**
to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
to Size:
- **from (m):**
to Size:

**Open Hole:**
- **from (m):**
to

**Pump:**
- **Model:** Jacuzzi
- **Intake (m):** 97.5

**Testing:**
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Drawdown (m):** 21.3
- **Rec’d intake (m):** 97.5
- **Rec’d Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **Molybdenum:**
- **Selenium:**
- **Sodium:**
- **Strontium:**
- **TKN:**
- **Vanadium:**
- **TDS:**
- **Selenium:**
- **Sodium:**
- **Strontium:**
- **TDS:**
- **Sodium:**
- **Strontium:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 27-052-01 W5M**

**Well Owner:** Dubchak, Wally  
**Drilling Contractor:** Rodco Drilling

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 m  
- **NPWL (m):** 13.4  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casting:
- **Type:** Plastic  
- **Depth (m):** 41.2  
- **Bottom (m):** 41.2  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 38.1

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** to 39.6  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  
- **Open Hole:**  
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 38.1

### Testing:
- **Rate (lpm):** 50.2  
- **Time (minute):** 120.0  
- **Level End (m):** 38.1  
- **Drawdown (m):** 24.7  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Selenium:**  
- **Nitrite:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
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- **Strontium:**  
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- **Strontium:**  
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- **Sodium:**  
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- **Strontium:**  
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- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06514  
**Elevation (AMSL) (m):** 734  
**AEP:** 352464  
**Licence No.:**  
**Easting:** 61,353.24  
**Date Started:** 10 Oct 90  
**Northing:** 5,928,425.50  
**Date Completed:** 11 Oct 90
**NW 27-052-01 W5M**

**Well Owner:** Kabatoff, Harold  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 727  
**AEP:** 353908  
**Licence No.:** Easting: 61,722.89  
**Date Started:** 05 Nov 76  
**Northing:** 5,928,412.50  
**Date Completed:** 08 Nov 76

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<tr>
<th><strong>General:</strong></th>
<th></th>
<th><strong>Depth Elevation</strong></th>
<th></th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td></td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
<td>Lithologic Description</td>
<td></td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
<td></td>
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<tr>
<td>Completed Depth 110.9 (m)</td>
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<td>27.4</td>
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<tr>
<td>NPWL (m): 24.4</td>
<td></td>
<td>36.6</td>
<td>690.8</td>
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<tr>
<td>Abandonment:</td>
<td></td>
<td>39.6</td>
<td>687.8</td>
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<tr>
<td>Type: Galvanized Steel</td>
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<td>42.7</td>
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<tr>
<td>Depth (m): 86.9</td>
<td></td>
<td>56.4</td>
<td>671.0</td>
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<tr>
<td>Bottom (m): 86.9</td>
<td></td>
<td>64.0</td>
<td>663.4</td>
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<tr>
<td>OD (mm): 114.3</td>
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<td>68.6</td>
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<tr>
<td>Thickness (mm): 0.1</td>
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<td>657.0</td>
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<tr>
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<td></td>
<td>71.0</td>
<td>656.4</td>
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<tr>
<td>from (m):</td>
<td></td>
<td>73.2</td>
<td>654.2</td>
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<tr>
<td>to 86.9</td>
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<td></td>
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<td>Top (m):</td>
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<td>642.0</td>
</tr>
<tr>
<td>Bottom (m): 110.0</td>
<td></td>
<td>88.1</td>
<td>639.3</td>
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<tr>
<td>Perforated How: Torch</td>
<td></td>
<td>96.3</td>
<td>631.1</td>
</tr>
<tr>
<td>from (m): 86.9</td>
<td></td>
<td>98.8</td>
<td>628.6</td>
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<tr>
<td>to 110.0</td>
<td></td>
<td>100.9</td>
<td>626.5</td>
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<tr>
<td>Size:</td>
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<tr>
<td>from (m):</td>
<td></td>
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<td>623.7</td>
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<tr>
<td>to 110.0</td>
<td></td>
<td>105.5</td>
<td>621.9</td>
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<tr>
<td>Screen:</td>
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<td>Material:</td>
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<tr>
<td>OD (mm):</td>
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<td></td>
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</tr>
<tr>
<td>from (m): to</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size:</td>
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<td></td>
</tr>
<tr>
<td>Open Hole:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intake (m):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Testing:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Rate (lpm): 31.9</td>
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<td></td>
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</tr>
<tr>
<td>Time (minute): 420.0</td>
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<tr>
<td>Level End (m): 45.7</td>
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<td>Drawdown (m): 21.3</td>
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<tr>
<td>Rec'd intake (m):</td>
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<td></td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

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<tr>
<th>Component</th>
<th>COD</th>
<th>pH (pH unit)</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td></td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td></td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td></td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td></td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td></td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td></td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td></td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td></td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td></td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td></td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td></td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td></td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td></td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td></td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td></td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

<table>
<thead>
<tr>
<th>Component</th>
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<tbody>
<tr>
<td>DIC</td>
<td>Hydroxide</td>
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<td>Storativity:</td>
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<tr>
<td>Aquifer Test: No</td>
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<tr>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on 2/20/98*
**09-28-052-01 W5M**  
**Well Number 06516**

Well Owner: **Jafro Develop. Ltd**  
Drilling Contractor: **Marwayne Water Well Drilling Services Lt**  

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 51.5 (m)  
- **NPWL (m):** 11.0  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Steel  
- **Depth (m):** 46.9  
- **Bottom (m):** 46.9  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0  
- **Seal Type:** from (m): to  

**Liner:**  
- **Type:** Steel  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** from (m): to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**  
- **Material:** St  
- **OD (mm):** 1.0  
- **from (m):** 45.7  
- **to:** 46.9  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Open Hole:**  
- **from (m):** to  

**Pump:** Sub  
- **Model:**  
- **Intake (m):** 39.6  
- **Testing:**  
- **Rate (lpm):** 68.4  
- **Time (minute):** 360.0  
- **Level End (m):**  
- **Drawdown (m):** 22.6  
- **Rec'd intake (m):** 42.1  
- **Rec'd Rate (lpm):** 31.9  

**Laboratory:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TN:**  
- **TC:**  
- **DIC:**  
- **Bicarbonate:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Model:**  
- **Intake (m):**  
- **Testing:**  
- **Rate (lpm):** 68.4  
- **Time (minute):** 360.0  
- **Level End (m):**  
- **Drawdown (m):** 22.6  
- **Rec'd intake (m):** 42.1  
- **Rec'd Rate (lpm):** 31.9  

**Remarks:**  
*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** 11.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 67.7
- **Bottom (m):** 67.7
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Driven
- **from (m):** 67.7
- **to:** 67.7

### Liner:
- **Type:** Driven
- **OD (mm):** 88.9
- **Thickness (mm):** 0.2
- **Top (m):** 79.2
- **Bottom (m):** 79.2

### Perforated How:
- **Torch**
- **from (m):** 67.4
- **to:** 79.2
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Sub
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):** 43.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **NN:**
- **Iron:**
- **TOC:**
- **Sulphate:**
- **Barium:**
- **Manganese:**
- **Calcium:**
- **Magnesium:**
- **Copper:**
- **Selenium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **Vanadium:**
- **Total Hardness:**
- **Hydroxide:**
- **Total Alkalinity:**
- **Chloride:**
- **Cadmium:**
- **Phosphate:**
- **Copper:**
- **Chromium:**
- **Cadmium:**
- **Ammonium Nitrogen:**
- **Manganese:**
- **Lead:**
- **Phosphate:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number: 06517**
- **Elevation (AMSL) (m):** 719
- **AEP: 389848**
- **Licence No.:** Easting: 60,667.75
- **Date Started:** 27 Aug 79
- **Norting: 5,922,245.50**
- **Date Completed:** 28 Aug 79

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**Water Well Positioned by PFRA in 10TM NAD 27**

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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**08-28-052-01 W5M**

**Well Owner:** White, P.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 735

**Licence No.:** Easting: 61,192.50

**Date Started:** Northing: 5,927,508.50

**Date Completed:** 06 Oct 94

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 56.7
- **Bottom (m):** 56.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 53.3 to 56.7

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 67.1
- **Perforated How:** Machine
- **from (m):** 57.9 to 64.0
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Gould 7g07
- **Intake (m):** 48.8

### Testing:

- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 25.9
- **Rec'd Rate (lpm):** 48.8
- **Rec'd intake (m):** 68.4

### Laboratory:

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

**No**

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Database:** Well Field Verified: No

---

Water Well Positioned by PFRA in 10TM NAD 27

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*printed on 2/20/98*
**Well Number: 06519**

<table>
<thead>
<tr>
<th>Well Number: 06519</th>
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<tbody>
<tr>
<td>Well Owner: Alastair, Grant</td>
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<tr>
<td>Drilling Contractor: Unknown Driller</td>
</tr>
<tr>
<td>Elevation (AMSL) (m): 719</td>
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<tr>
<td>Licence No.: Easting: 60,884.08 Northing: 5,928,481.50</td>
</tr>
<tr>
<td>Date Started: Date Completed:</td>
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</tbody>
</table>

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
- **Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 38.1 (m)
NPWL (m): Verified NPWL (m):
Abandonment:
Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m):
to
Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:
Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:
Open Hole:
from (m):
to
Pump:
Model:
Intake (m):
Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):
Laboratory:
pH (pH unit):
COD: Mercury
Cond. (µS/cm):
SAR: Nickel
TDS:
TKN: Selenium
Sodium:
Nitrate: Strontium
Potassium:
Nitrite: Molybdenum
Calcium:
TN: Vanadium
Magnesium:
TC: Zinc
Carbonate:
DIC: Hydroxide
Bicarbonate:
Arsenic: Total Hardness
Aluminum:
Barium: Manganese
Sulphate:
Beryllium: Phosphate
Chloride:
Calcium: Ion Balance
Fluoride:
Chromium: Amm. Nitrogen
Iron:
Cobalt: Total Phosphate
TOC:
Copper: Total Alkalinity
Silica:
Lead: Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.
Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Well Number 06520

Well Owner: Brady, Ronald
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 731
AEP: 366442
Date Started:
Easting: 60,948.63
Date Completed:
Northing: 5,928,802.50

Depth Elevation
(BGL) (AMSL)
(m) (m)

Lithologic Description

(No Lithologic Information Available)
NE 28-052-01 W5M

Well Owner: Cantafio, Janice
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 719
Licence No.: 719
Date Started: 
Date Completed: 

Well Number: 06521
AEP: 361694
Easting: 60,884.08
Northing: 5,928,481.50

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth (m):
NPWL (m):
Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit):
COD
Mercury
Cond. (µS/cm):
SAR
Nickel
TDS:
TKN
Selenium
Sodium:
Nitrate
Stryonrium
Potassium:
Nitrite
Molybdenum
Calcium:
TN
Vanadium
Magnesium:
TC
Zinc
Carbonate:
DIC
Hydroxide
Bicarbonate:
Arsenic
Total Hardness
Aluminum:
Barium
Manganese
Sulphate:
Beryllium
Phosphate
Chloride:
Cadmium
Iron Balance
Fluoride:
Chromium
Amm. Nitrogen
Iron:
Cobalt
Total Phosphate
TOC:
Copper
Total Alkalinity
Silica:
Lead
Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 10.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 30.2
- **Bottom (m):** 30.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabi
- **from (m):** to 10.4

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 30.2
- **to 31.7**
- **Size:** 0.01
- **from (m):**
- **to**
- **Size:**

**Open Hole:**

- **from (m):**
- **to**

**Pump:**

- **Model:**
- **Intake (m):** 31.7

**Testing:**

- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 21.3
- **Drawdown (m):** 11.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 68.4

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Vanadium:**
- **Manganese:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bromide:**
- **Total Hardness:**
- **Barium:**
- **Beryllium:**
- **Molybdenum:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Silicate:**
- **Lead:**
- **Phosphate:**
- **Iron:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### NE 28-052-01 W5M

**Well Owner:** Yeoman, Ken  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Well Number:** 06523  
**Elevation (AMSL) (m):** 719  
**AEP:** 360126  
**Licence No.:** Easting: 60,884.08  
**Date Started:** 01 Aug 91  
**Northing:** 5,928,481.50  
**Date Completed:** 01 Aug 91

#### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 3.1  
- **Verified NPWL (m):**  
- **Abandonment:**

#### Casing:
- **Type:** Plastic  
- **Depth (m):** 37.8  
- **Bottom (m):** 37.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Welded  
- **from (m):** to 37.8

#### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 36.6  
- **Bottom (m):** 54.9  
- **Perforated How:** Other  
- **from (m):** 41.2 to 51.8  
- **from (m):** to  
- **from (m):** to

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **from (m):** to  
- **from (m):** to

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**  
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 18.3  
- **Drawdown (m):** 15.2  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

#### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

#### Lithologic Description:
- **Depth (m):**  
- **Elevation (BGL) (m):**  
- **Lithologic Description:**
  - 5.5 713.9 Clay Sandy Yellow  
  - 8.5 710.9 Clay Blue  
  - 23.2 696.3 Shale Gray  
  - 27.1 692.3 Sandstone  
  - 35.4 684.1 Sandstone Fractured Gray  
  - 42.1 677.4 Shale Gray  
  - 44.5 674.9 Sandstone  
  - 46.6 672.8 Shale Gray  
  - 47.2 672.2 Shale & Coal Brown  
  - 50.9 668.5 Shale Gray  
  - 52.1 667.3 Shale & Coal Brown  
  - 54.9 664.6 Shale Gray

#### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
  - **Storativity:**

#### Aquifer Test:
- **No**

#### Project:
- **Database:** 1.000H

#### AEP Data:
- **Yes**
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
**Well Number: 06524**

**Well Owner:** Yeoman, Ken

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 719

**AEP:** 366240

**Licence No.:** Easting: 60,884.08

**Date Started:** 30 Jun 92

**Norting:** 5,928,481.50

**Date Completed:** 30 Jun 92

---

### General:

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>67.7 (m)</td>
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<tr>
<td>NPWL (m):</td>
<td>11.0</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

### Casing:

| Type: | Plastic |
| Depth (m): | 51.8 |
| Bottom (m): | 51.8 |
| OD (mm): | 152.4 |
| Thickness (mm): | 0.1 |
| Seal Type: | Shale Trap & Bentonite |
| from (m): | to 51.8 |

### Liner:

| Type: | |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Top (m): | 50.9 |
| Bottom (m): | 67.7 |
| Perforated How: | Other |
| from (m): | to 67.1 |
| Size: | |
| from (m): | to |
| Size: | |
| from (m): | to |
| Size: | |

### Screen:

| Material: | |
| OD (mm): | |
| from (m): | to |
| Size: | |
| from (m): | to |
| Size: | |

### Open Hole:

| from (m): | to |

### Pump:

| Model: | Intake (m): |
| Testing: | |
| Rate (lpm): | 45.6 |
| Time (minute): | 240.0 |
| Level End (m): | 27.4 |
| Drawdown (m): | 16.5 |
| Rec'd Intake (m): | |
| Rec'd Rate (lpm): | |

### Laboratory:

| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS: | TKN |
| Sodium: | Nitrate |
| Potassium: | Nitrite |
| Calcium: | TN |
| Magnesium: | TC |
| Carbonate: | DIC |
| Bicarbonate: | Arsenic |
| Aluminium: | Barium |
| Sulphate: | Beryllium |
| Chloride: | Cadmium |
| Fluoride: | Chromium |
| Iron: | Cobalt |
| TOC: | Copper |
| Silica: | Lead |

| Material: | Chemical Constituents are in mg/l (ppm). Except as noted. |
| DIC: | Hydroxide |
| Bicarbonate: | Water Hardness |
| Calcium: | Total Hardness |
| Magnesium: | Total Alkalinity |
| Sulphate: | Phosphate |
| Chloride: | Ion Balance |
| Fluoride: | Amm. Nitrogen |
| Iron: | Total Phosphate |
| TOC: | Total Organic Carbon |
| Silica: | Lead |

### Electric Log:

| Model: | Electric Log: No |
| Transmission: | m³/day |
| Gamma Log: | No |
| Sandstone: | Storativity: |
| Aquifer Test: | No |
| Total Phosphorus: | |
| Pump: | Intake (m): |
| Intake (m): | |
| Test (minute): | 240.0 |
| Water Hardness: | 27.4 |
| Drawdown (m): | 16.5 |
| Rec'd Intake (m): | |
| Rec'd Rate (lpm): | |

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 110.0 m
- **NPWL (m):** 64.0
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Galvanized Steel
- **Depth (m):** 103.6
- **Bottom (m):** 103.6
- **OD (mm):** 114.3
- **Thickness (mm):**

### Liner:
- **Type:** Driven
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Sub:**
- **Model:** Mcgougall
- **Intake (m):**

### Testing:
- **Rate (lpm):** 13.7
- **Time (minute):** 480.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**

### Remarks:
- **Remarks:**

---

**Well Number 06525**

**Well Owner:** Isbister, June

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 725

**Licence No.:** Easting: 60,020.38
**Date Started:** Northing: 5,926,680.00
**Date Completed:** 30 Nov 71

**Water Well Positioned by PFRA in 10TM NAD 27**

**AEP Data:** Yes Well Field Verified: No

**Database:** 1.000H
**Well Number: 06526**

**Well Owner:** Ashley’s Plumbing  
**Drilling Contractor:** Rodco Drilling  

**NW 29-052-01 W5M**

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>(BGL) (AMSL)</strong></td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>(m) (m)</strong></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Lithologic Description</strong></td>
</tr>
<tr>
<td><strong>Elevation (AMSL) (m):</strong> 732</td>
<td>1.000H</td>
</tr>
<tr>
<td><strong>Easting:</strong> 58,390.43</td>
<td><strong>Gamma Log:</strong></td>
</tr>
<tr>
<td><strong>Northing:</strong> 5,928,387.00</td>
<td><strong>Aquifer Test:</strong></td>
</tr>
<tr>
<td><strong>Date Started:</strong> 18 Apr 91</td>
<td><strong>Field:</strong></td>
</tr>
<tr>
<td><strong>Date Completed:</strong> 25 Apr 91</td>
<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
</tr>
</tbody>
</table>

| **Completed Depth:** 48.8 (m) | **No** |
| **NPWL (m):** 15.2 | **No** |
| **Abandonment:** | **No** |
| **Well Number:** | **No** |
| **Well Owner:** Ashley’s Plumbing | **AEP:** 357297 |
| **Drilling Contractor:** Rodco Drilling | **Licence No.:** Easting: 58,390.43 Northing: 5,928,387.00 |

**Elevation Depth (BGL) (AMSL):**

<table>
<thead>
<tr>
<th><strong>General:</strong></th>
<th><strong>Depth Elevation (BGL) (AMSL):</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>(m) (m)</strong></td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Lithologic Description</strong></td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td>1.000H</td>
</tr>
<tr>
<td><strong>Elevation (AMSL) (m):</strong> 732</td>
<td><strong>Gamma Log:</strong></td>
</tr>
<tr>
<td><strong>Easting:</strong> 58,390.43</td>
<td><strong>Aquifer Test:</strong></td>
</tr>
<tr>
<td><strong>Northing:</strong> 5,928,387.00</td>
<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
</tr>
</tbody>
</table>

| **Completed Depth:** 48.8 (m) | **No** |
| **NPWL (m):** 15.2 | **No** |
| **Abandonment:** | **No** |
| **Well Number:** | **No** |
| **Well Owner:** Ashley’s Plumbing | **AEP:** 357297 |
| **Drilling Contractor:** Rodco Drilling | **Licence No.:** Easting: 58,390.43 Northing: 5,928,387.00 |

**Elevation Depth (BGL) (AMSL):**

| **Type:** Plastic | **Depth (m):** 44.2 Bottom (m): 44.2 |
| **OD (mm):** 127.0 | **Thickness (mm):** 0.1 |
| **Seal Type:** Bentonite Chips/Tabl | **from (m):** | to 44.2 |

| **Screen:** | **Type:** St |
| **OD (mm):** 1.4 | **Size:** 0.01 |
| **from (m):** 44.2 to 45.7 | **from (m):** | to 45.7 |
| **Open Hole:** | **from (m):** | to 44.2 |

| **Pump:** | **Model:** |
| **Intake (m):** 42.7 | **Rate (lpm):** 82.1 | **Time (minute):** 120.0 |
| **Level End (m):** 42.7 | **Rec’d intake (m):** | **Rec’d Rate (lpm):** 68.4 |

**Laboratory:**

| **pH (pH unit):** | **COD** | **Mercury** |
| **Cond. (µS/cm):** | **SAR** | **Nickel** |
| **TDS:** | **TKN** | **Selenium** |
| **Sodium:** | **Nitrate** | **Strontium** |
| **Potassium:** | **Nitrite** | **Molybdenum** |
| **Calcium:** | **TN** | **Vanadium** |
| **Magnesium:** | **TC** | **Zinc** |
| **Carbonate:** | **DIC** | **Hydroxide** |
| **Bicarbonate:** | **Arsenic** | **Total Hardness** |
| **Aluminum:** | **Barium** | **Manganese** |
| **Sulphate:** | **Beryllium** | **Phosphate** |
| **Chloride:** | **Cadmium** | **Ion Balance** |
| **Fluoride:** | **Chromium** | **Amm. Nitrogen** |
| **Iron:** | **Cobalt** | **Total Phosphate** |
| **TOC:** | **Copper** | **Total Alkalinity** |
| **Silica:** | **Lead** | **Nitrate&Nitrite N** |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
**NW 29-052-01 W5M**

**Well Owner:** Cable, Robin C.

**Drilling Contractor:** Midwest Water Well Ltd.

---

### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completion Details

- **Completed Depth:** 103.6 m
- **NPWL (m):** 26.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Steel
- **Depth (m):** 91.7
- **Bottom (m):** 91.7
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1

### Seal Type

- **Driven
  - from (m):** 90.8 to 91.7

### Liner

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 88.4
- **Bottom (m):** 103.6

### Perforated Hole

- **Type:**
- **from (m):** to 103.0
- **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole

- **from (m):**

### Pump

- **Model:**
- **Intake (m):** 67.1

### Testing

- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 67.1
- **Drawdown (m):** 40.2
- **Rec'd Rate (lpm):** 22.8

### Laboratory

<table>
<thead>
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<th>Parameter</th>
<th>Value</th>
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<tbody>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Total Phosphate</td>
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<td>TOC</td>
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<td>Total Alkalinity</td>
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<td>Silica</td>
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</table>
| Lead                       | Nitrate & Nitrite N

### Lithologic Description

<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>5.5</td>
<td>725.4</td>
<td>Sand Fine Grained Brown</td>
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<td>11.3</td>
<td>719.6</td>
<td>Till Brownish Yellow</td>
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<td>29.9</td>
<td>701.0</td>
<td>Sand &amp; Coal Brown</td>
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<td>33.2</td>
<td>697.7</td>
<td>Clay Soft Blue</td>
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<td>34.8</td>
<td>696.1</td>
<td>Sand &amp; Coal</td>
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<td>36.9</td>
<td>694.0</td>
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<td>38.7</td>
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<td>Sand &amp; Coal</td>
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<td>41.2</td>
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<td>70.7</td>
<td>660.2</td>
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<td>72.5</td>
<td>658.4</td>
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<td>78.0</td>
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<td>82.3</td>
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### Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 111.3 (m)
  - **NPWL (m):** 13.7
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 96.9
  - **Bottom (m):** 96.9
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
  - **from (m):** to 96.9

## Castings:
- **Type:** Plastic
- **Depth (m):** 96.9
- **Bottom (m):** 96.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

## Elevation Depth Lithologic Description
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<td>45.1</td>
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<td>92.1</td>
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<td>111.3</td>
<td>620.8</td>
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## Liners:
- **Type:** Plastic
- **OD (mm):** 114.3
- ** Thickness (mm):** 0.1
- **Top (m):** 96.0
- **Bottom (m):** 111.3

## Screen:
- **Material:** Plastic
- **OD (mm):**
  - **from (m):** to
  - **Thickness (mm):**
  - **Size:**
- **Open Hole:**
  - **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 50.2
- **Time (minute):** 300.0
- **Level End (m):** 48.8
- **Drawdown (m):** 35.0
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Arsenic
- **Calcium:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate
- **Nitrite:** N

## Testing:
- **Rate (lpm):** 50.2
- **Time (minute):** 300.0
- **Level End (m):** 48.8
- **Drawdown (m):** 35.0
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

## Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 06529

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 45.7 m
- **NPWL (m):** Unverified
- **Verified NPWL (m):** Unverified
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m): to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## NW 29-052-01 W5M

**Well Owner:** Schowalter, Larry  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 112.8 m  
- **NPWL (m):** 7.6  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 92.7  
- **Bottom (m):** 92.7  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Drive Shoe  
- **from (m):** 0  
- **to:** 91.4

### Liner:
- **Type:** Steel  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 67.1  
- **Bottom (m):** 112.8  

### Perforated How:
- **Machine**  
- **Size:** from (m): 97.5  
- **to:** 109.7  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:** Size:  
- **from (m):**  
- **to:** Size:  

### Open Hole:
- **from (m):**  
- **to:**  

### Pump:
- **Model:** Gould  
- **Intake (m):** 93.9

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 600.0  
- **Level End (m):** 76.2  
- **Drawdown (m):** 68.6  
- **Rec'd Rate (lpm):** 93.9  
- **Rec'd intake (m):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** 1000 H

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1000 H

### AEP Data:
- **Well Field Verified:** Yes

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06530  
**Elevation (AMSL) (m):** 731  
**AEP:** 353476  
**Licence No.:**  
**Date Started:** 09 Nov 90  
**Easting:** 58230.14  
**Northing:** 5926703.00  
**Date Completed:** 13 Nov 90
**NW 29-052-01 W5M**

**Well Owner:** Scragg, Rob  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Well Number 06531**

**Elevation (AMSL) (m):** 731  
**AEP:** 369737  
**Licence No.:** Easting: 58,711.01  
**Date Started:** 21 Jun 93  
**Northing:** 5,928,478.00  
**Date Completed:** 24 Jun 93

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**Laboratory:**

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<tr>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 29-052-01 W5M**

**Well Owner:** Vandeligt, William A  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 732  
**AEP:** 356889  
**Date Started:**  
**Date Completed:**

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<td>Fluoride: Chromium</td>
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<td>Iron: Cobalt</td>
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<tr>
<td>TOC: Copper</td>
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<td>Silica: Lead</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

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<tbody>
<tr>
<td>(BGL) (m)</td>
<td>(AMSL) (m)</td>
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</table>

<table>
<thead>
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<table>
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<tr>
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<tr>
<td>Transmissivity: m²/day</td>
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<tr>
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</tr>
<tr>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
</tr>
<tr>
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</tr>
<tr>
<td>AEP Data: Yes</td>
</tr>
<tr>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

printed on 2/20/98
**SE 29-052-01 W5M**

**Well Owner:** Kulak, Fred

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Licence No.:** Easting: 59,551.09 Northing: 5,927,651.00

**Elevation (AMSL) (m):** 737 **NPWL (m):** 18.3 **AEP:** 354043

**Date Started:** 10 Apr 81 **Date Completed:** 13 Apr 81

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 92.7 (m)
- **NPWL (m):** 18.3 **Verified NPWL (m):**
- **Abandonment:**

#### Casing:

- **Type:** Galvanized Steel
- **Depth (m):** 67.1 **Bottom (m):** 67.1
- **OD (mm):** 114.3 **Thickness (mm):**
- **Seal Type:** Driven from (m): to 67.1

#### Liner:

- **Type:** Driven
- **OD (mm):** 88.9 **Thickness (mm):**
- **Top (m):** Bottom (m): 91.7

#### Perforated How:

- **Torch** from (m): 67.1 to 91.7 Size:
- **Size:** from (m): to Size:
- **Size:** from (m): to Size:

#### Screen:

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

#### Open Hole:

- **from (m):** to

#### Pump:

- **Model:**
- **Intake (m):**

#### Testing:

- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 6.1
- **Rec'd intake (m):**

---

### Laboratory:

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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
<td></td>
</tr>
</tbody>
</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

---

**Water Well Positioned by PFRA in 10TM NAD 27**
01-30-052-01 W5M

Well Owner: *Baker, Howard*
Drilling Contractor: *Grove Drilling Ltd*

Elevation (AMSL) (m): 735
AEP: 389881
Licence No.: Easting: 57,826.06
Date Started: 04 Aug 80
Northing: 5,927,461.50
Date Completed: 06 Aug 80

**General:**
- Type of Work: *New Well*
- Drilling Method: *Rotary*
- Well Use: *Domestic*
- Completed Depth: 86.9 (m)
- NPWL (m): Verified NPWL (m): Abandonment: 

**Casing:**
- Type: *Steel*
- Depth (m): 82.3
- Bottom (m): 82.3
- OD (mm): 114.3
- Thickness (mm): 0.0
- Seal Type: *Unknown*
- from (m): to

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: *Un*
- OD (mm): 1.2
- from (m): 82.3 to 83.5
- Size: 0.01
- from (m): to
- Open Hole:
- from (m): to

**Pump:**
- Model: Intake (m):
- Testing:
- Rate (lpm): 95.8
- Time (minute): 420.0
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silicon Lead Nitrate&Nitrite N

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

- 30.5 704.5 Clay & Sand
- 85.3 649.6 Sand
- 86.9 648.1 Shale

**Electric Log:** No **Transmissivity:** m²/day
**Gamma Log:** No **Storativity:**
**Aquifer Test:** No **Project:**
**AEP Data:** Yes **Well Field Verified:** No

**Database:** 1.000H
## General:

- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 78.0 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

## Casing:

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - from (m): to  

## Liner:

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  

## Screen:

- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

## Open Hole:

- **from (m):** to  

## Pump:

- **Model:**  
- **Intake (m):**  

## Testing:

- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

## Laboratory:

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<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Value</th>
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<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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<td>Iron</td>
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<td>Total Alkalinity</td>
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<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Electric Log:

- No  
- Transmissivity: \( m^2/\text{day} \)

## Gamma Log:

- No  
- Storativity:  

## Aquifer Test:

- No  

## Project:

- Database: 1.000H

## AEP Data:

- Yes  
- Well Field Verified: No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 06536**  

**Well Owner:** Mouritsen, Daryl  
**Drilling Contractor:** Unknown Driller

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<th>Depth Elevation</th>
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<td><strong>Lithologic Description</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 12.2 (m)</td>
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<td><strong>NPWL (m):</strong> Verified NPWL (m):</td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Type:</strong></td>
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<tr>
<td><strong>Depth (m):</strong> Bottom (m):</td>
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<tr>
<td><strong>OD (mm):</strong> Thickness (mm):</td>
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<tr>
<td><strong>Seal Type:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
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</tr>
<tr>
<td><strong>Liner:</strong></td>
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<tr>
<td><strong>Type:</strong></td>
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<td><strong>OD (mm):</strong> Thickness (mm):</td>
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<td><strong>Top (m):</strong> Bottom (m):</td>
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<tr>
<td><strong>Perforated How:</strong></td>
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| **from (m):** to | **Size:**  
| **from (m):** to | **Size:**  
| **from (m):** to | **Size:**  
| **Screen:** |  
| **Material:** |  
| **OD (mm):** |  
| **from (m):** to | **Size:**  
| **from (m):** to | **Size:**  
| **Open Hole:** |  
| **from (m):** to |  
| **Pump:** |  
| **Model:** | **Intake (m):**  
| **Testing:** |  
| **Rate (lpm):** | **Time (minute):**  
| **Level End (m):** | **Drawdown (m):**  
| **Rec'd intake (m):** | **Rec'd Rate (lpm):**  

**Laboratory:**

| **pH (pH unit):** | COD |  
| **Cond. (µS/cm):** | SAR |  
| **TDS:** | TKN |  
| **Sodium:** | Nitrate |  
| **Potassium:** | Nitrite |  
| **Calcium:** | TN |  
| **Magnesium:** | TC |  
| **Carbonate:** | DIC |  
| **Bicarbonate:** | Arsenic |  
| **Aluminium:** | Barium |  
| **Sulphate:** | Beryllium |  
| **Chloride:** | Cadmium |  
| **Fluoride:** | Chromium |  
| **Iron:** | Cobalt |  
| **TOC:** | Copper |  
| **Silica:** | Lead |  

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NE 30-052-01 W5M**

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

**Completed Depth:** 36.6 (m)
- NPWL (m): 7.6
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 33.5
- Bottom (m): 33.5
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Sand Pack
- from (m): to 33.5

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 1.5
- from (m): 33.5 to 35.0
- Size: 0.01
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): 91.2
- Time (minute): 180.0
- Level End (m): 24.4
- Drawdown (m): 18.3
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Barium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Chemical Constituents are in mg/l (ppm).
  - Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NE 30-052-01 W5M

Well Owner: Edmonton Beach
Drilling Contractor: Unknown Driller

Well Number 06538
Elevation (AMSL) (m): 737
AEP: 354507
Date Started: 
Easting: 57,644.80
Date Completed: 
Northing: 5,926,437.50

General:
Type of Work: Test Hole
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth 91.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Chemical Log: No Transmissivity: m³/day
Gamma Log: Yes Storativity:
Aquifer Test: No Project: Database: 1,000H
AEP Data: Yes Well Field Verified: No

Printed on 2/20/98
**NE 30-052-01 W5M**

**Well Owner:** Johnston, Tom  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Elevation (AMSL) (m):** 737  
**AEP:** 418215  
**Licence No.:** Easting: 57,644.80  
**Date Started:** 28 Aug 95  
**Norting:** 5,928,437.50  
**Date Completed:** 29 Aug 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 111.3 (m)  
**NPWL (m):** 8.5  
**Verified NPWL (m):**  
**Abandonment:**

#### Casing:
- **Type:** Plastic  
- **Depth (m):** 87.5  
- **Bottom (m):** 87.5  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite

**from (m):**  
**to 87.5**

#### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 86.0  
- **Bottom (m):** 111.3

**Perforated How:** Saw

**from (m):**  
**to 109.7**

**Size:**

<table>
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<th>to</th>
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#### Screen:
- **Material:**  
- **OD (mm):**

**from (m):**

**to**

**Size:**

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<th>to</th>
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<tbody>
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<td></td>
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#### Open Hole:

**from (m):**

**to**

#### Pump:
- **Model:**
- **Intake (m):** 111.3

**Testing:**
- **Rate (lpm):** 109.5  
- **Time (minute):** 120.0  
- **Level End (m):** 81.4  
- **Drawdown (m):** 72.8  
- **Rec'd Rate (lpm):** 33.5  
- **Rec'd intake (m):** 22.8

### Laboratory:

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<th>pH (pH unit)</th>
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<td>Cond. (µS/cm)</td>
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<td>Nickel</td>
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<td>TDS</td>
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<td>Total Phosphate</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

_Water Well Positioned by PFRA in 10TM NAD 27_
**NE 30-052-01 W5M**

**Well Number: 06540**

**Well Owner:** Keist, Rod  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 737  
**AEP:** 366592

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<th>Easting:</th>
<th>Northing:</th>
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<td>57,644.80</td>
<td>5,928,437.50</td>
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**Date Started:** 09 Oct 92  
**Date Completed:** 09 Oct 92

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

<table>
<thead>
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<th>Completed Depth (m)</th>
<th>NPWL (m)</th>
<th>Verif NPWL (m):</th>
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<tbody>
<tr>
<td>42.7</td>
<td>8.8</td>
<td></td>
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- Abandonment:

### Casing:

- **Type:** Plastic  
- **Depth (m):** 33.5  
- **Bottom (m):** 33.5  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

- **Seal Type:** Sand Pack

### Liner:

- **Type:** St  
- **OD (mm):** 1.5  
- **Thickness (mm):**   
- **Top (m):**  
- **Bottom (m):**

- **Perforated How:**
  - from (m): to  
  - from (m): to  
  - from (m): to

### Screen:

- **Material:** St  
- **OD (mm):** 33.5  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**

- **Screen Size:** 35.0

### Open Hole:

- from (m): to

### Pump:

- **Model:**  
- **Intake (m):** 35.0

### Testing:

- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0

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<th>Rec'd Rate (lpm):</th>
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<td>18.3</td>
<td>9.4</td>
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### Laboratory:

- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Lab:**  

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<td>Cond. (µS/cm)</td>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**

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<td><strong>Gamma Log</strong></td>
<td><strong>Storativity</strong></td>
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- **AEP Data:** Yes  
- **Well Field Verified:** No

**Database:** 1.000H

**print on 2/20/98**
**Macmurchy, Lee/Lynda**

**License No.:** 396762
**Date Started:** 01 Sep 94
**Date Completed:** 01 Sep 94

**Well Use:** Domestic

**Well Owner:** AEP: Elevation (AMSL) (m): 737
**Easting:** 57,644.80
**Northing:** 5,928,437.50

**Drilling Contractor:** D&D Water Well Drilling & Services

### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.6 (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing
- **Type:** Plastic
- **Depth (m):** 31.1
- **Bottom (m):** 31.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl from (m): to 27.7

### Liner
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 31.1 to 32.6
- **Thickness (mm):** 0.01
- **Size:**

### Open Hole
- **from (m):**

### Pump
- **Model:**
- **Intake (m):** 32.6

### Testing
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 27.1
- **Drawdown (m):** 19.5
- **Rec'd intake (m):** 25.9
- **Rec'd Rate (lpm):** 36.5

### Laboratory
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

---

*Water Well Positioned by PFRA in 10TM NAD 27*
NE 30-052-01 W5M

Well Owner: Stasch, Fred
Drilling Contractor: Summers, David Drilling

Well Number 06542

Elevation (AMSL) (m): 737
AEP: 377747
 Licence No.: Easting: 57,644.80
Date Started: 31 Aug 93 Northing: 5,928,437.50
Date Completed: 31 Aug 93

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<td>18.3 718.7 Clay Blue</td>
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<td>53.6 683.3 Sand</td>
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<td>Silica:</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 30-052-01 W5M**

**Well Owner:** Thomas, Bryan  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.  
**Elevation (AMSL) (m):** 737  
**AEP:** 351043  
**Licence No.:** Easting: 57,644.80  
**Date Started:** 15 Dec 89  
**Northing:** 5,928,437.50  
**Date Completed:** 20 Dec 89  

**Well Number 06543**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth (m):** 91.7  
- **NPWL (m):** 15.2  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 77.7  
- **Bottom (m):** 77.7  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 77.7  

### Liner:
- **Type:**  
- **OD (mm):** 101.6  
- **Thickness (mm):**  
- **Top (m):** 77.7  
- **Bottom (m):** 91.7  
- **Perforated How:** Machine  
- **from (m):** to 91.7  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 30.5  
- **Rec’d Intake (m):**  
- **Rec’d Rate (lpm):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **sAR:**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes Well Field Verified: No  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 30-052-01 W5M**

**Well Owner:** Mayor, Harold  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<th>General:</th>
<th>Depth Elevation</th>
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<td>(m)</td>
</tr>
<tr>
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<td>(m)</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 87.8</td>
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<tr>
<td>NPWL (m): 11.0</td>
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<tr>
<td>Depth (m): 73.2</td>
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<td>Bottom (m): 73.2</td>
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<td>OD (mm): 152.4</td>
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<td>Thickness (mm): 0.1</td>
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<tr>
<td>Seal Type: Shale Trap &amp; Bentonite</td>
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<td>from (m): to 73.2</td>
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<td>Liner:</td>
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<td>Type: Shale Trap &amp; Bentonite</td>
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<td>OD (mm): 114.3</td>
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<tr>
<td>Top (m): 71.6</td>
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<td>Bottom (m): 87.8</td>
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<td>Silica</td>
<td>Lead</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**SE 30-052-01 W5M**

<table>
<thead>
<tr>
<th>Well Owner: Fenton, Harry</th>
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<tr>
<td>Drilling Contractor: Summers, David Drilling</td>
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<td>Date Started: 30 Jul 93</td>
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<td>Date Completed: 31 Jul 93</td>
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<table>
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<th>Well Number 06545</th>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

#### Completed Depth:
- **44.2** (m)
- **NPWL (m): 3.4**
- **Verified NPWL (m):**

#### Abandonment:

#### Casing:
- **Type:** Plastic
- **Depth (m):** 44.2
- **Bottom (m):** 44.2
- **OD (mm): 152.4**
- **Thickness (mm): 0.2**
- **Seal Type:** Bentonite Chips/Tabl
  - from (m): 36.6 to 39.6

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

#### Screen:
- **Material:** St
- **OD (mm): 7.5**
- **from (m): 42.7 to 44.2**
- **Size:** 0.01
- **from (m): to Size:**

#### Open Hole:
- from (m): to

#### Pump:
- **Model:** Berkley
- **Intake (m): 36.6**

#### Testing:
- **Rate (lpm): 136.6**
- **Time (minute): 120.0**
- **Level End (m): 36.6**
- **Drawdown (m): 33.2**
- **Rec'd Rate (lpm): 45.8**

### Laboratory:

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<tr>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No** Transmissivity: m²/day
- **No** Storativity:
- **No** Aquifer Test:
- **1.000H** Project:
- **Yes** AEP Data: Well Field Verified:

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 30-052-01 W5M**

**Well Owner:** Gallop, Bruce  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 736  
**AEP:** 372465  
**License No.:**  
**Date Started:** 10 Jun 93  
**Date Completed:** 11 Jun 93  
**Easting:** 57,850.61  
**Northing:** 5,927,648.50

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 73.2 m  
- **NPWL (m):** 15.2  
- **Verified NPWL (m):**
- **Abandonment:**

**Casings:**
- **Type:** Plastic  
- **Depth (m):** 59.4  
- **Bottom (m):** 59.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

**Seal Type:** Formation Seal
- **from (m):** to 59.4

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1
- **Top (m):** 56.1  
- **Bottom (m):** 72.2

**Perforated How:** Saw
- **from (m):** to 72.2  
- **Size:**
- **from (m):** to 56.1  
- **Size:**
- **from (m):** to 56.1  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
  - **Rate (lpm):** 31.9  
  - **Time (minute):** 420.0
  - **Level End (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.3 (m)
- **NPWL (m):** 15.2
- **Verifed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 44.8
- **Bottom (m):** 44.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 44.8

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 44.8 to 46.3
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 12.2
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Barium:**
- **Beryllium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Arsenic:**
- **Strontium:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

### Electric Log:
- **No**
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)
- **NPWL (m):** 9.1
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 62.2
- **Bottom (m):** 62.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Ring from (m): to 62.2

## Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 61.0
- **Bottom (m):** 85.3

## Perforated How:
- **from (m):** 57.9 to 82.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 21.3
- **Rec'd intake (m):**

## Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:**
- **Sodium:** Nitrate
- **Potassium:** NiTrate
- **Calcium:**
- **Magnesium:**
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- ** Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **AEP Data:** Yes
- **Database:** 1.00H

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06548

**Well Owner:** Johnston, Chuck

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 736

**Licence No.:** 353010

**Easting:** 57,850.61

**Date Started:** 29 Oct 90

**Nothing:** 5,927,648.50

**Date Completed:** 30 Oct 90

---

**Depth** | **Elevation** | **Lithologic Description** | **Type** | **(BGL)** | **(AMSL)**
---|---|---|---|---|---
17.7 | 718.0 | Clay Sandy Yellow | Domestic | 0 | 0
25.6 | 710.1 | Sand | | 0 | 0
41.8 | 693.9 | Clay Silty Blue | | 0 | 0
48.2 | 687.5 | Sand | | 0 | 0
57.6 | 678.1 | Clay Silty Blue | | 0 | 0
58.2 | 677.5 | Shale Gray | | 0 | 0
59.7 | 675.9 | Sandstone | | 0 | 0
64.3 | 671.4 | Shale Green | | 0 | 0
65.8 | 669.8 | Sandstone | | 0 | 0
72.5 | 663.1 | Shale Gray | | 0 | 0
73.2 | 662.5 | Sandstone | | 0 | 0
78.3 | 657.3 | Shale Gray | | 0 | 0
81.7 | 654.0 | Sandstone | | 0 | 0
85.3 | 650.3 | Shale Green | | 0 | 0

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Education Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**AEP Data:** Yes

**Well Field Verified:** No

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printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
  - NPWL (m): 12.2
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 61.6
- **Bottom (m):** 61.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Cement/Grout
- **from (m):** to 61.6

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Top (m):** Bottom (m):

### Open Hole:
- **from (m):**

### Pump:
- **Model:** 8 St
- **Intake (m):** 36.6

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 360.0
- **Level End (m):** 27.4
- **Drawdown (m):** 15.2
- **Rec'd Rate (lpm):** 0.0
- **Rec'd intake (m):** 36.6

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Lithologic Description

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<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Description</th>
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<tbody>
<tr>
<td>9.1</td>
<td>726.5</td>
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<td>27.4</td>
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<td>Clay Soft Light Gray</td>
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<td>64.0</td>
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<td>67.1</td>
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<td>75.0</td>
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<td>77.1</td>
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<td>79.2</td>
<td>656.4</td>
<td>Shale Dark Gray</td>
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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 30-052-01 W5M**

**Well Owner:** Matuichuk, Mel

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 736  **AEP:** 359715

**Licence No.:** 57,850.61  **Date Started:** 26 Aug 91  **Northing:** 5,927,648.50

**Date Completed:** 26 Aug 91

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Drilling Contractor:** Midwest Water Well Ltd.
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 18.3
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 48.5  **Bottom (m):** 48.5
- **OD (mm):** 152.4  **Thickness (mm):** 0.1
- **Seal Type:** Gravel Pack
  - from (m): to 54.9

**Liner:**
- **Type:** Grain Pack
- **OD (mm):** Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
  - from (m): to 50.0  **Size:** 0.01
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 54.7  **Time (minute):** 180.0
- **Level End (m):** 30.5  **Drawdown (m):** 12.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Cadmium:**
- **Arsenic:**
- **Antimony:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Phosphate:**
- **Barium:**
- **Magnesium:**
- **Beryllium:**
- **Phosphate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
SE 30-052-01 W5M

Well Number 06551

Well Owner: Nernberg Construction
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 736
AEP: 443230
Licence No.: Easting: 57,850.61
Date Started: 14 Jan 95 Northing: 5,927,648.50
Date Completed: 15 Jan 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 77.7 (m)
NPWL (m): 18.9
Abandonment:

Casing:
Type: Plastic
Depth (m): 68.6 Bottom (m): 68.6
OD (mm): 152.4 Thickness (mm): 0.2
Seal Type: Bentonite Chips/Tabl

from (m): to 68.6

Liner:
Type: Plastic
OD (mm): 108.0 Thickness (mm): 0.1
Top (m): 64.0 Bottom (m): 77.7

Perforated How: Saw
from (m): 70.1 to 77.7 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m): 61.0

Testing:
Rate (lpm): 45.6 Time (minute): 120.0
Level End (m): 28.0 Drawdown (m): 9.1
Rec'd intake (m): 61.0 Rec'd Rate (lpm): 31.9

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### SE 30-052-01 W5M

**Well Number:** 06552

**Well Owner:** Nicholson, Tom

Drilling Contractor: Kap'S Drilling Ltd.

**Elevation (AMSL) (m):** 736  
**AEP:** 365313  
**Licence No.:** Easting: 57,850.61  
**Date Started:** 26 Jun 92  
**Northing:** 5,927,648.50  
**Date Completed:** 29 Jun 92

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<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tr>
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<td>(m)</td>
<td>11.6 Clay Sandy Brown</td>
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<td>Completed Depth</td>
<td>88.9</td>
<td>(m)</td>
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<td>(m)</td>
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<td>Bottom (m): 85.3</td>
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<td>698.5</td>
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<td>Type: Plastic</td>
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<th>Depth</th>
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<td>70.1</td>
<td>Bottom (m): 70.1</td>
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<td>OD (mm): 141.2</td>
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<td>Seal Type: Driven</td>
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<td>70.1</td>
<td>Bottom (m): 70.1</td>
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<td>OD (mm): 88.9</td>
<td>Thickness (mm): 0.2</td>
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<td>Top (m): 68.8</td>
<td>Bottom (m): 85.3</td>
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<td>Size:</td>
<td>from (m): to Size:</td>
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**Screen:**

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<th>Material:</th>
<th>Depth</th>
<th>Elevation</th>
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<tr>
<td>OD (mm):</td>
<td>88.9</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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**Open Hole:**

| from (m): to |

**Pump:**

| Model: | Intake (m): 61.0 |

**Testing:**

| Rate (lpm): 63.9 | Time (minute): 420.0 |
| Level End (m): Drawdown (m): 51.8 |
| Rec'd intake (m): 61.0 | Rec'd Rate (lpm): 63.9 |

**Laboratory:**

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</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Electric Log:** No  
Transmissivity: m³/day  
**Gamma Log:** Yes  
Storativity:  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 30-052-01 W5M**

Well Owner: Rosnicki, Adam/Stan  
Drilling Contractor: Marwayne Water Well Drilling Services Lt  

| General: |  
| --- | --- |  
| Type of Work: New Well | Drilling Method: Rotary | Well Use: Domestic |  
| Completed Depth 85.3 (m) | NPWL (m): 11.0 |  
| Abandonment: |  
| Lithologic Description | Depth | Elevation (BGL) | AMSL) |  
| 13.4 | 722.3 | Clay Brown |  
| 20.1 | 715.5 | Sand |  
| 53.0 | 682.6 | Clay Sandy Blue |  
| 55.8 | 679.9 | Shale Green |  
| 62.2 | 673.5 | Sandstone Light Gray |  
| 63.7 | 672.0 | Shale Gray |  
| 65.2 | 670.4 | Shale Green |  
| 70.7 | 665.0 | Sandstone Light Gray |  
| 75.3 | 660.4 | Shale Green |  
| 77.7 | 657.9 | Sandstone Light Gray |  
| 85.3 | 650.3 | Shale Green |  

| Casing: |  
| --- | --- |  
| Type: Galvanized Steel |  
| Depth (m): 73.2 | Bottom (m): 73.2 |  
| OD (mm): 114.3 | Thickness (mm): 0.0 |  
| Seal Type: Driven |  
| from (m): to 73.2 |  

| Liner: |  
| --- | --- |  
| OD (mm): 88.9 | Thickness (mm): |  
| Top (m): 71.6 | Bottom (m): 85.3 |  
| Perforated How: Machine |  
| from (m): 74.7 to 85.3 | Size: |  
| from (m): to | Size: |  
| from (m): to | Size: |  

| Screen: |  
| --- | --- |  
| Material: |  
| OD (mm): |  
| from (m): to | Size: |  
| from (m): to | Size: |  
| from (m): to | Size: |  

| Open Hole: |  
| --- | --- |  
| from (m): to |  

| Pump: |  
| --- | --- |  
| Model: | Intake (m): 54.9 |  
| Testing: |  
| Rate (lpm): 36.5 | Time (minute): 120.0 |  
| Level End (m): 54.9 | Drawdown (m): 43.9 |  
| Rec'd intake (m): | Rec'd Rate (lpm): |  

| Laboratory: |  
| --- | --- |  
| pH (pH unit): | COD | Mercury |  
| Cond. (µS/cm): | SAR | Nickel |  
| TDS: | TKN | Selenium |  
| Sodium | Nitrate | Strontium |  
| Potassium | Nitrite | Molybdenum |  
| Calcium | TN | Vanadium |  
| Magnesium | TC | Zinc |  
| Carbonate | DIC | Hyroxide |  
| Bicarbonate | Arsenic | Total Hardness |  
| Aluminium | Barium | Manganese |  
| Sulphate | Beryllium | Phosphorus |  
| Chloride | Cadmium | Ion Balance |  
| Fluoride | Chromium | Amm. Nitrogen |  
| Iron | Cobalt | Total Phosphate |  
| TOC | Copper | Total Alkalinity |  
| Silica | Lead | Nitrate&Nitrite N |  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 m
- **NPWL (m):** 13.4
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 23.5
- **Bottom (m):** 23.5
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 23.5

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 23.5 to 24.7
- **Size:** 0.01
- **from (m):** to Size:
- **Open Hole:**
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 2.4
- **Rec’d Rate (lpm):** 15.9
- **Rec’d intake (m):** 15.9

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Water:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

## Electric Log:
- **Transmissivity:** m²/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**
- **Database:** 1.000H

## AEP Data:
- **Verified:**

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 15.2
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
  - **Depth (m):** 64.0
  - **Bottom (m):** 64.0
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 64.0

### Liner:
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 62.5
- **Bottom (m):** 91.4
- **Perforated How:** Machine
- **from (m):** to 91.4
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** 13 Stage
- **Intake (m):** 45.7

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 570.0
- **Level End (m):** 30.5
- **Drawdown (m):** 15.2
- **Rec’d Rate (lpm):** 45.7
- **Rec’d intake (m):** 22.8

### Laboratory:
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### Electric Log:
- **Transmissivity:** 1.000 m²/day

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**SE 30-052-01 W5M**

*Well Owner:* Wangler, Steven  
*Drilling Contractor:* D&D Water Well Drilling & Services

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<td>Date Completed:</td>
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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 82.0 (m)  
- **NPWL (m):** 14.0  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 67.7  
- **Bottom (m):** 67.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 67.7

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 66.1  
- **Bottom (m):** 82.0  
- **Perforated How:** Saw  
- **from (m):** to 81.4  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 82.0

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Testing:
- **Rate (lpm):**  
- **Time (minute):** 120.0  
- **Level End (m):** 15.9  
- **Drawdown (m):** 1.8  
- **Rec’d intake (m):** 24.4  
- **Rec’d Rate (lpm):** 22.8

### Electric Log: No  
- **Transmissivity:** m³/day  
- **Gamma Log:** No  
- **Storativity:**
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

*Water Well Positioned by PFRA in 10TM NAD 27*

*printed on 20/2/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 93.0 (m)
- **NPWL (m):** 12.2
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 72.5
- **Bottom (m):** 72.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 71.6
- **Bottom (m):** 93.0

### Screen:
- **Material:** Plastic
- **OD (mm):**
  - from (m): 79.2
  - to (m): 89.9
- **Thickness (mm):**
  - from (m): 25.3
  - to (m): 93.0

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Drawdown (m):** 24.4

### Laboratory:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

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### Lithologic Description

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<tr>
<td>93.0</td>
<td>642.7</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

### Electric Log: No, Transmissivity: m²/day, Gamma Log: No, Storativity: , Aquifer Test: No, Project: Database: 1.000H, AEP Data: Yes, Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 32.3 m
- **NPWL (m):** 15.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 30.5
- **Bottom (m):** 30.5
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 0.9
to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to
- **Size:**
- from (m): to
- **Size:**
- from (m): to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 30.5
to 31.7
- **Size:** 0.01
- **from (m):**
- **to**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):** 29.0

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 300.0
- **Level End (m):**
- **Drawdown (m):** 13.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Water Well Positioned by PFRA in 10TM NAD 27**

**printed on 2/20/98**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 (m)
- **NPWL (m):** 4.6
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 89.0
- **Bottom (m):** 89.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 89.0

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 87.5
- **Bottom (m):** 103.6

## Perforated How:
- **from (m):** to 103.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 13.7
- **Time (minute):** 180.0
- **Level End (m):** 61.0
- **Drawdown (m):** 56.4
- **Rec’d intake (m):** 67.1
- **Rec’d Rate (lpm):** 13.7

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **m³/day**
- **Gamma Log:**
- **Storage:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 60.7 m
- **NPWL (m):** 12.2
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 47.6
- **Bottom (m):** 47.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packer
- **from (m):** to 47.6

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):** to 59.7
- **Bottom (m):** 59.7

**Perforated How:** Torch
- **from (m):** 47.6 to 59.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 34.2
- **Time (minute):** 420.0
- **Level End (m):** 18.3
- **Drawdown (m):** 6.1
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<th>(m)</th>
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**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No
Well Number: 06561

**Well Owner:** Smutt, Nick

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 729

**AEP:** 360020

**Date Started:**

**Northing:** 5,927,317.00

**Date Completed:**

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth (m):** 73.2
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How:

- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD Mercury:**
- **Cond. (µS/cm):**
- **SAR Nickel:**
- **TDS TKN Selenium:**
- **Sodium Nitrate Strontium:**
- **Potassium Nitrite Molybdenum:**
- **Calcium TN Vanadium:**
- **Magnesium TC Zinc:**
- **Carbonate DIC Hydroxide:**
- **Bicarbonate Arsenic Total Hardness:**
- **Aluminum Barium Manganese:**
- **Sulphate Beryllium Phosphate:**
- **Chloride Cadmium Ion Balance:**
- **Fluoride Chromium Amm. Nitrogen:**
- **Iron Cobalt Total Phosphate:**
- **TOC Copper Total Alkalinity:**
- **Silica Lead Nitrate&Nitrite:**

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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*printed on 2/20/98*
**SW 30-052-01 W5M**

**Well Number 06562**

**Well Owner:** Stony Creek Homes Ltd  
**Drilling Contractor:** Summers, David Drilling  

**Elevation (AMSL) (m):** 729  
**AEP:** 443232  
**Licence No.:** Easting: 56,559.71  
**Date Started:** 25 Aug 95  
**Northing:** 5,927,326.00  
**Date Completed:** 27 Aug 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 68.6 (m)  
- **NPWL (m):** 18.9  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tablet  
  - **from (m):**  
  - **to:** 61.0

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 57.9  
- **Bottom (m):** 68.6  
- **Perforated How:** Saw  
  - **from (m):**  
  - **to:** 68.6  
  - **Size:**  
  - **from (m):**  
  - **to:**  
  - **Size:**  
  - **from (m):**  
  - **to:**  
  - **Size:**

### Screen:
- **Material:**  
- **from (m):**  
- **to:**  
- **Size:**

### Open Hole:
- **from (m):**  
- **to:**

### Pump:
- **Model:** Sub  
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 114.0  
- **Time (minute):** 120.0  
- **Level End (m):** 54.9  
- **Drawdown (m):** 36.0  
- **Rec'd intake (m):** 54.9  
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphorus:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Remarks:
*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation (BGL) (AMSL):**

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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth (m):** 45.7
- **NPWL (m):** 13.4
- **Abandonment:**

## Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 35.0
- **OD (mm):** 114.3
- **Seal Type:**
  - from (m): to
  - Thickness (mm): 0.0

## Liner:
- **Type:**
  - from (m): to
  - Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to
    - Size:
    - from (m): to
    - Size:
    - from (m): to
    - Size:

## Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 35.0
- **to:** 36.6
- **Size:** 0.01

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 34.8

## Testing:
- **Rate (lpm):** 13.7
- **Time (minute):** 480.0
- **Level End (m):** 21.3
- **Rec'd intake (m):** 34.8
- **Rec'd Rate (lpm):** 13.7

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

## Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **Database:** 1.000H
- **AEP Data:** Yes

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06563

**Elevation (AMSL) (m):** 739

**AEP:** 389856

**Licence No.:**

**Date Started:** 19 Feb 79

**Nording:** 5,929,470.50

**Date Completed:** 21 Feb 79

**Well Owner:** Vasileff & Sons Construction

**Drilling Contractor:** Grove Drilling Ltd
**Well Number:** 06564

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### General

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth (m):** 30.5
- **NPWL (m):** 57,652.90
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:
  
### Open Hole

- **Pump:**
  - **Model:**
  - **Intake (m):**

### Testing

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory

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<tr>
<td>AEP Data</td>
<td>Yes</td>
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<tr>
<td>Remarks:</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
Well Owner: Bishop, George
Drilling Contractor: D&D Water Well Drilling & Services

<table>
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<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Well Number: 06565</td>
<td>(m)</td>
<td>(m)</td>
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<td>(m)</td>
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<td>Licence No.:</td>
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<tr>
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<td>Northing: 5,929,822.50</td>
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<tr>
<td>NE 31-052-01 W5M</td>
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</tbody>
</table>

| Type of Work: New Well                                                  |                |                        |
| Drilling Method: Rotary                                                |                |                        |
| Well Use: Domestic                                                     |                |                        |
| Completed Depth: 67.1 (m)                                              |                |                        |
| NPWL (m): 6.1                                                         |                |                        |
| Abandonment:                                                           |                |                        |
| Casing:                                                                |                |                        |
| Type: Plastic                                                         |                |                        |
| Depth (m): 43.9                                                       | Bottom (m): 43.9|
| OD (mm): 152.4                                                        | Thickness (mm): 0.1|
| Seal Type: Welded Ring                                                | from (m): 43.9 |
| from (m): 45.7                                                        | Size:          |
| from (m): 64.0                                                        | Size:          |
| Liner:                                                                | from (m): 43.9 |
| Type:                                                                 | Size:          |
| OD (mm): 114.3                                                        | Thickness (mm): 0.1|
| Top (m): 42.7                                                         | Bottom (m): 67.1|
| Perforated How: Other                                                 | from (m): 45.7 |
| from (m): 64.0                                                        | Size:          |
| from (m): 64.0                                                        | Size:          |
| Screen:                                                               | from (m): 45.7 |
| Material:                                                             | Size:          |
| OD (mm):                                                              | from (m): 64.0 |
| from (m): 64.0                                                        | Size:          |
| from (m): 64.0                                                        | Size:          |
| Open Hole:                                                            | from (m): 64.0 |
| Pump:                                                                | from (m): 64.0 |
| Model:                                                                | from (m): 64.0 |
| Intake (m):                                                           | from (m): 64.0 |
| Testing:                                                              | from (m): 64.0 |
| Rate (lpm): 91.2                                                      | Time (minute): 120.0|
| Level End (m): 19.8                                                   | Drawdown (m): 13.7|
| Rec'd intake (m):                                                     | Rec'd Rate (lpm): |

| Laboratory:                                                           | Electric Log: No | Transmissivity: m²/day |
|                                                                     | Gamma Log: No    | Storativity:           |
|                                                                     | Aquifer Test: No | Project: Database: 1.000H |
|                                                                     | AEP Data: Yes    | Well Field Verified: No|
| pH (pH unit)                                                         | COD             | Mercury               |
| Cond. (µS/cm)                                                        | SAR             | Nickel                |
| TDS                                                                  | TKN             | Selenium              |
| Sodium                                                               | Nitrate         | Strontium             |
| Potassium                                                            | Nitrite         | Molybdenum            |
| Calcium                                                              | TN              | Vanadium              |
| Magnesium                                                            | TC              | Zinc                  |
| Carbonate                                                            | DIC             | Hydroxide             |
| Bicarbonate                                                          | Arsenic         | Total Hardness        |
| Aluminium                                                            | Barium          | Manganese             |
| Sulphate                                                             | Beryllium       | Phosphorus            |
| Chloride                                                             | Cadmium         | Ion Balance            |
| Fluoride                                                             | Chromium        | Amm. Nitrogen         |
| Iron                                                                 | Cobalt          | Total Phosphate       |
| TOC                                                                  | Copper          | Total Alkalinity       |
| Silica                                                               | Lead            | Nitrate&Nitrite N     |

Remarks: Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
The well is a **New Well** with a Domestic use. The completed depth is 44.8 meters, and the NPWL (m) is 16.8. There is no abandonment noted.

#### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 43.3
- **Bottom (m):** 43.3
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to 
  **Size:**
- **from (m):** to 
  **Size:**
- **from (m):** to 
  **Size:**

#### Screen:
- **Material:** St 1.2
- **OD (mm):**
  - 43.3 to 44.5
  - **Size:** 0.01
- **from (m):** to 
  **Size:**
- **from (m):** to 
  **Size:**

#### Pump:
- **Sub:**
- **Intake (m):** 42.7

#### Testing:
- **Rate (lpm):** 29.7
- **Time (minute):** 240.0
- **Level End (m):**
  **Drawdown (m):**
- **Rec’d intake (m):** 41.2
- **Rec’d Rate (lpm):** 31.9

### Lithologic Description
- **(m) (m)**
- **Clay & Sand Sandy:** 19.2 724.8
- **Sand & Till Silty:** 42.1 701.9
- **Sand & Till:** 44.8 699.2

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Magnesium Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- Transmissivity: 1.00H

### Gamma Log:
- Storativity:

### Aquifer Test:
- Project: Database: 1.00H

### AEP Data:
- Well Field Verified: Yes

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 06567

NE 31-052-01 W5M

Well Owner: Brule Construction
Drilling Contractor: Irmc Water Well Service & Supply Co. Ltd

Elevation (AMSL) (m): 744
Licence No.: 389883
Date Started: 13 Nov 77

Easting: 57,652.90
Northing: 5,930,147.00
Date Completed: 20 Nov 77

Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic

Completed Depth: 61.0 (m)
NPWL (m): 
Verified NPWL (m):
Abandonment:

Depth Elevation Lithologic Description
(BGL) (AMSL) (m) (m)
9.1 734.9 Clay
16.8 727.2 Sand
51.8 692.2 Till
58.8 685.2 Unknown
61.0 683.0 Sand

Type: Galvanized Steel
Depth (m): 58.2      Bottom (m): 58.2
OD (mm): 114.3      Thickness (mm):
Seal Type: from (m): to

Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to/Size:
from (m): to/Size:
from (m): to/Size:

Material: Un
OD (mm): 1.2
from (m): 58.2 to 59.7 Size: 0.01
from (m): to/Size:

from (m): to

Model: Intake (m):
Rate (lpm): 13.7      Time (minute): 540.0
Level End (m):
Rec'd intake (m): 54.9  Rec'd Rate (lpm):

Laboratory:
pH (pH unit)        COD        Mercury
Cond. (µS/cm)       SAR        Nickel
TDS                TKN        Selenium
Sodium            Nitrate      Strontium
Potassium         Nitrite      Molybdenum
Calcium           TN          Vanadium
Magnesium         TC          Zinc
Carbonate         DIC         Hydroxide
Bicarbonate       Arsenic     Total Hardness
Aluminum          Barium      Manganese
Sulphate          Beryllium   Phosphate
Chloride          Cadmium    Ion Balance
Fluoride          Chromium   Amm. Nitrogen
Iron               Cobalt      Total Phosphate
TOC               Copper      Total Alkalinity
Silica            Lead       Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
NE 31-052-01 W5M

Well Owner: Buck, Beverly
Drilling Contractor: Blakeman'S, Norm Drilling Ltd.

Well Number 06568

Elevation (AMSL) (m): 739
AEP: 362182
Licence No.: Easting: 57,563.36
Date Started: 19 Jul 88 Northing: 5,930,048.50
Date Completed: 22 Jul 88

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 14.6
- **Verified NPWL (m):** 14.6
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 51.8
  - **Bottom (m):** 51.8
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** to 48.8

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 36.6

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 25.0
- **Drawdown (m):** 11.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NE 31-052-01 W5M

Well Owner: Deberham, Alec
Drilling Contractor: Kap’S Drilling Ltd.

Elevation (AMSL) (m): 744
Licence No.: 389882
Date Started: 23 Jun 80

Well Number: 06569
Easting: 57,652.90
Nothing: 5,930,147.00
Date Completed: 23 Jun 80

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<th>General:</th>
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<tbody>
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<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth: 64.0 (m)</td>
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<td>NPWL (m): 10.1</td>
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<td>Seal Type: Drive Shoe</td>
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<td>Thickness (mm):</td>
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<td>Top (m):</td>
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<tr>
<td>Bottom (m):</td>
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<tr>
<td>from (m): to Size:</td>
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<td>OD (mm):</td>
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<tr>
<td>from (m): to Size:</td>
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<td>Rec'd intake (m): 18.3</td>
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<td>Rec'd Rate (lpm): 95.8</td>
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<td>Cond. (µS/cm): 969.0</td>
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<td>TOC: 12.40</td>
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<td>Silica: 730.3</td>
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<td>(m)</td>
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<tr>
<td>Sand Fine Grained Brown</td>
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<td>Sand Coarse Grained Gray</td>
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<td>Clay Blue</td>
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<td>Sand Coarse Grained Gray</td>
</tr>
<tr>
<td>Clay Blue</td>
</tr>
<tr>
<td>Sand Coarse Grained Gray</td>
</tr>
<tr>
<td>Shale</td>
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<tr>
<td>Shale</td>
</tr>
<tr>
<td>Sandstone</td>
</tr>
<tr>
<td>Shale</td>
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| Electric Log: No |
| Gamma Log: No |
| Aquifer Test: No |
| AEP Data: Yes |
| Database: 1.000H |

Remarks: Water Well Positioned by PFRA in 10TM NAD 27
### NE 31-052-01 W5M

**Well Owner:** Deford, Dwayne

**Drilling Contractor:** Kap’S Drilling Ltd.

**Elevation (AMSL) (m):** 744

**AEP:** 361197

**Date Started:** 09 Sep 91

**Date Completed:** 09 Sep 91

**Licence No.:** Easting: 57,652.90

**Northing:** 5,930,147.00

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<th>Depth</th>
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<td>722.7</td>
<td>Clay Sandy Brown</td>
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<td>22.9</td>
<td>721.1</td>
<td>Clay Blue</td>
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<td>28.0</td>
<td>716.0</td>
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<td>714.7</td>
<td>Gravel</td>
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<td>39.6</td>
<td>704.4</td>
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<td>40.2</td>
<td>703.8</td>
<td>Shale Gray</td>
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**Well Field Verified:** Yes

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td><strong>pH (pH unit)</strong></td>
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<tr>
<td><strong>Cond. (µS/cm)</strong></td>
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<tr>
<td><strong>TDS</strong></td>
</tr>
<tr>
<td><strong>Sodium</strong></td>
</tr>
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<td><strong>Potassium</strong></td>
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<td><strong>Calcium</strong></td>
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<tr>
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</tr>
<tr>
<td><strong>TOC</strong></td>
</tr>
<tr>
<td><strong>Silica</strong></td>
</tr>
</tbody>
</table>

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**Well Number 06571**

**NE 31-052-01 W5M**

Well Owner: Lynne, Peter  
Drilling Contractor: D&D Water Well Drilling & Services

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<th>Elevation (AMSL) (m):</th>
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<td>Date Started:</td>
<td>23 Jan 96</td>
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<td>Date Completed:</td>
<td>24 Jan 96</td>
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<tr>
<td>Easting:</td>
<td>57,567.91</td>
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<tr>
<td>Northing:</td>
<td>5,929,968.00</td>
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</tbody>
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### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 74.1 m  
  - NPWL (m): 9.4  
  - Verified NPWL (m):  
- **Abandonment:**  
  - **Casing:**  
    - **Type:** Plastic  
    - **Depth (m):** 51.5  
    - **Bottom (m):** 51.5  
    - **OD (mm):** 152.4  
    - **Thickness (mm):** 0.1  
  - **Seal Type:** Shale Trap & Cutting  
    - from (m): to 51.5  
- **Liner:**  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Perforated How:** Saw  
    - from (m): to 57.9  
    - Bottom (m): 74.1  
    - **Size:**  
  - **Screen:**  
    - **OD (mm):**  
    - **Material:**  
    - **Top (m):** 50.0  
    - **Bottom (m):** 74.1  
    - **Size:**  
  - **Open Hole:**  
    - from (m): to  
- **Pump:**  
  - **Model:**  
  - **Intake (m):** 74.1  
- **Testing:**  
  - **Rate (lpm):**  
  - **Time (minute):** 120.0  
  - **Level End (m):** 23.8  
  - **Drawdown (m):** 14.3  
  - **Rec'd Rate (lpm):** 30.5  
  - **Rec'd intake (m):** 22.8

### Lithologic Description

- 9.8 731.3 Clay Sandy Yellow  
- 35.7 705.4 Sand  
- 40.8 700.2 Clay Blue  
- 43.6 697.5 Shale Green  
- 46.0 696.1 Sandstone  
- 54.3 686.8 Shale Green  
- 55.5 685.6 Shale Gray  
- 56.4 684.7 Sandstone  
- 58.2 682.9 Shale Gray  
- 71.9 669.1 Sandstone  
- 74.1 667.0 Shale Green

### Laboratory:

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<thead>
<tr>
<th>Chemical Constituents</th>
<th>Limits (mg/l or ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 71.6 (m)
- **NPWL (m):** 12.2
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 55.8
- **Bottom (m):** 55.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.3
- **Bottom (m):** 71.6

**Perforated How:** Other
- **from (m):** 57.9 to 68.6
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 27.4

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 27.4
- **Drawdown (m):** 15.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Well Number 06572**

- **Elevation (AMSL) (m):** 744
- **AEP:** 389860
- **Licence No.:** 57,652.90
- **Date Started:** 07 Dec 87
- **Easting:** 5,930,147.00
- **Northing:** 08 Dec 87

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<td>22.6</td>
<td>721.4</td>
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<td>50.3</td>
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<td>63.4</td>
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<td>67.7</td>
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<td>71.6</td>
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**Database:** Project: 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**All Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
## NE 31-052-01 W5M

**Well Owner:** Maze, Anne  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td></td>
</tr>
<tr>
<td>Well Use: <strong>Domestic</strong></td>
<td></td>
</tr>
<tr>
<td>Completed Depth: 73.2 (m)</td>
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</tr>
<tr>
<td>NPWL (m): 11.6</td>
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<td>Abandonment:</td>
<td></td>
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<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Type: <strong>Plastic</strong></td>
<td></td>
</tr>
<tr>
<td>Depth (m): 56.1</td>
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<td>OD (mm): 152.4</td>
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<td>Seal Type: <strong>Shale Trap &amp; Bentonite</strong></td>
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<td>from (m): to 56.1</td>
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<td>Liner:</td>
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<tr>
<td>Type:</td>
<td></td>
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<tr>
<td>OD (mm): 114.3</td>
<td>Thickness (mm): 0.1</td>
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<td>Top (m): 55.2</td>
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<td>Perforated How: <strong>Other</strong></td>
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<tr>
<td>from (m): to 71.6</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>Screen:</td>
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<td>Material:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<td>from (m): to</td>
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<td>Open Hole:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
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<tr>
<td>Pump:</td>
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<td>Model:</td>
<td>Intake (m):</td>
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<td>Testing:</td>
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## Laboratory:

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<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
## General

**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 45.7 (m)  
**NPWL (m):** 10.7  
**Verified NPWL (m):**  
**Abandonment:**  

### Casing:

**Type:** Plastic  
**Depth (m):** 37.5  
**Bottom (m):** 37.5  
**OD (mm):** 141.2  
**Thickness (mm):** 0.1  
**Seal Type:** Formation Seal  
**from (m):** to 37.5  

### Liner:

**Type:**  
**OD (mm):**  
**Thickness (mm):**  
**Top (m):**  
**Bottom (m):**  
**Perforated How:** from (m): to Size:  
**from (m):** to Size:  
**from (m):** to Size:  

### Screen:

**Material:** St  
**OD (mm):** 0.9  
**from (m):** 37.5 to 39.0  
**Size:** 0.01  
**from (m):** to Size:  
**from (m):** to Size:  

### Open Hole:

**from (m):** to  

### Pump:

**Model:** S8p4c02pf S/R  
**Intake (m):** 30.5  

### Testing:

**Rate (lpm):** 63.9  
**Time (minute):** 420.0  
**Level End (m):** 24.4  
**Drawdown (m):** 13.7  
**Rec'd intake (m):** 24.4  
**Rec'd Rate (lpm):** 63.9  

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Concentration (mg/l) or Unit</th>
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<td>COD</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
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**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by PFRA in 10TM NAD 27**
NE 31-052-01 W5M

Well Number: 06575

Well Owner: Vasileff & Son Construction
Drilling Contractor: Grove Drilling Ltd

Elevation (AMSL) (m): 741
Licence No.: 389854
Date Started: 07 Nov 78
Date Completed: 08 Nov 78

Well Depth Elevation
(BGL) (AMSL)

Lithologic Description

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<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>5.5</td>
<td>735.2</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>38.4</td>
<td>702.3</td>
<td>Clay &amp; Sand Brown</td>
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<tr>
<td>39.9</td>
<td>700.7</td>
<td>Shale Green</td>
</tr>
<tr>
<td>42.1</td>
<td>698.6</td>
<td>Shale Gray</td>
</tr>
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<td>44.5</td>
<td>696.2</td>
<td>Sand Coarse Grained</td>
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<tr>
<td>45.7</td>
<td>695.0</td>
<td>Shale Gray</td>
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</table>

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 45.7 (m)
NPWL (m): 7.6
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 43.3 Bottom (m): 43.3
OD (mm): 114.3 Thickness (mm): 0.0
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):

Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Un
OD (mm): 0.9
from (m): 43.3 to 44.5 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 38.1

Testing:
Rate (lpm): 31.9 Time (minute): 240.0
Level End (m): Drawdown (m):
Rec'd intake (m): 38.1 Rec'd Rate (lpm): 31.9

Laboratory:
22 Nov 78
pH (pH unit): 7.80 COD Mercury
Cond. (µS/cm) 924.0 SAR Nickel
TDS 596.0 TKN Selenium
Sodium 78.89 Nitrate Strontium
Potassium 1.96 Nitrite Molybdenum
Calcium 110.02 TN Vanadium
Magnesium 22.98 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 483.81 Arsenic Total Hardness 370.00
Aluminium Barium Manganese
Sulphate 139.77 Beryllium Phosphate
Chloride 2.84 Cadmium Ion Balance 0.99
Fluoride 0.12 Chromium Amm. Nitrogen
Iron 0.48 Cobalt Total Phosphate
TOC Copper Total Alkalinity 397.0
Silica 13.20 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.0 (m)
- **NPWL (m):** 14.0
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 65.5
- **Bottom (m):** 65.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 65.5

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 64.0
- **Bottom (m):** 82.0
- **Perforated How:** Saw
- **from (m):** 69.8 to 82.0
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Intake (m):** 82.0

## Testing:
- **Rate (lpm):** 100.3
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Sodium:**
- **Nitrate:**
- **Sulfate:**
- **Bromide:**
- **Cadmium:**
- **Beryllium:**
- **Strontium:**
- **Barium:**
- **Manganese:**
- **Iron:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Chloride:**
- **Calcium:**
- **Magnesium:**
- **Potassium:**
- **Sodium:**
- **Nitrate:**
- **Nitrite:**
- **Molybdenum:**
- **Nickel:**
- **Sulfate:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Phosphate:**
- **Boron:**
- **Sodium:**
- **Nitrate:**
- **Nitrite:**

## Lithologic Description:
- **(m)**
- **(m)**
- **Clay Sandy Yellow:**
- **Sand Silty Yellow:**
- **Clay Blue:**
- **Sand:**
- **Clay Blue:**
- **Shale Green:**
- **Sandstone:**
- **Shale Gray:**
- **Sandstone:**
- **Sandstone:**
- **Shale Green:**

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 31-052-01 W5M**

Well Owner: *Strause, Raymond*

Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*

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<td>Northing:</td>
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<td>Date Started:</td>
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<td>Type of Work: <strong>New Well</strong></td>
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<td>Drilling Method: <strong>Rotary</strong></td>
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<td>Well Use: <strong>Domestic</strong></td>
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<td>Completed Depth: <strong>68.6</strong> (m)</td>
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</tr>
<tr>
<td>Seal Type: <strong>Driven</strong></td>
</tr>
<tr>
<td>from (m): <strong>56.4</strong> to <strong>68.6</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liner:</th>
</tr>
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<tbody>
<tr>
<td>Type:</td>
</tr>
<tr>
<td>OD (mm): <strong>114.3</strong></td>
</tr>
<tr>
<td>Thickness (mm): <strong>0.1</strong></td>
</tr>
<tr>
<td>Top (m): <strong>56.4</strong></td>
</tr>
<tr>
<td>Bottom (m): <strong>68.6</strong></td>
</tr>
</tbody>
</table>

| Perforated How: **Machine** |
| from (m): **56.4** to **68.6** |
| Size: |

<table>
<thead>
<tr>
<th>Screen:</th>
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<tbody>
<tr>
<td>Material:</td>
</tr>
<tr>
<td>OD (mm):</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Open Hole:</th>
</tr>
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<tbody>
<tr>
<td>from (m): to</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump:</th>
</tr>
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<tbody>
<tr>
<td>Model:</td>
</tr>
<tr>
<td>Intake (m):</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Testing:</th>
</tr>
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<tr>
<td>Rate (lpm): <strong>31.9</strong></td>
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<tr>
<td>Time (minute): <strong>420.0</strong></td>
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<tr>
<td>Level End (m): <strong>18.3</strong></td>
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<tr>
<td>Drawdown (m): <strong>9.1</strong></td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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<thead>
<tr>
<th>Laboratory:</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
</tr>
<tr>
<td>TDS</td>
</tr>
<tr>
<td>Sodium</td>
</tr>
<tr>
<td>Potassium</td>
</tr>
<tr>
<td>Calcium</td>
</tr>
<tr>
<td>Magnesium</td>
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<tr>
<td>Carbonate</td>
</tr>
<tr>
<td>Bicarbonate</td>
</tr>
<tr>
<td>Aluminium</td>
</tr>
<tr>
<td>Sulphate</td>
</tr>
<tr>
<td>Chloride</td>
</tr>
<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

printed on 2/20/98
### General:
- **Well Use:** Investigation
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m) to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

### Screen:
- **Material:**
- **OD (mm):** from (m) to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Molybdenum:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate&Nitrite:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **Electric Log:**
- **Gamma Log:**
- **Aquifer Test:**
- **Transmissivity:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Elevation (AMSL) (m): 738**
- **Licence No.:**
- **Date Started:**
- **Date Completed:**

**Well Number: 06578**
- **AEP: 412759**
- **Easting:** 58,075.46
- **Northing:** 5,929,573.00
**NW 32-052-01 W5M**

**Well Owner:** Congregation Of Jehovah Witne.

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 741

**AEP:** 351734

**Licence No.:** Easting: 58,460.51

**Date Started:** Northing: 5,929,826.50

**Date Completed:** 14 Jun 90

**Well Number:** 06579

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 32.0 (m)
- **NPWL (m):** 13.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 24.7
- **Bottom (m):** 24.7
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** from (m): to
- **Thickness (mm):** Size:
- **Top (m):** from (m): to
- **Bottom (m):** from (m): to

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 24.7
- **to:** 25.9
- **Size:** 0.01
- **Thickness (mm):** Size:
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 15.9
- **Drawdown (m):** 2.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Verified:** Yes
- **Well Field Verified:** No

### Lithologic Description:
- **(m) (m) (m) (m)**
  - 19.8 721.4 Clay Yellow
  - 22.9 718.4 Clay Blue
  - 26.8 714.4 Coal Sandy
  - 32.0 709.2 Clay Blue

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 13.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 30.2
- **Bottom (m):** 30.2
- **OD (mm):** 152.4
- **Thickmess (mm):** 0.1

### Seal Type:
- **Bentonite Chips/Tablet**
  - from (m): to 18.3

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **Size:** 0.01
  - from (m): 30.2 to 31.7

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** Selenium
- **Sodium:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Aluminium:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 32-052-01 W5M**

**Well Owner:** Miller, George  
**Drilling Contractor:** D&D Water Well Drilling & Services

<table>
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<tr>
<th>Elevation (AMSL) (m): 741</th>
<th>AEP: 366297</th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>Easting: 58.460.51</td>
</tr>
<tr>
<td>Date Started: 01 Jul 92</td>
<td>Northing: 5,929,826.50</td>
</tr>
<tr>
<td>Date Completed: 03 Jul 92</td>
<td></td>
</tr>
</tbody>
</table>

**Well Number:** 06581

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 98.1 (m)
- **NPWL (m):** 11.9
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 74.4
- **Bottom (m):** 74.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite
- **from (m):** 74.4
- **to:** 74.4

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 73.2
- **Bottom (m):** 98.1
- **Perforated How:** Other
- **from (m):** 88.4
- **to:** 97.5

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 480.0
- **Level End (m):** 85.3
- **Drawdown (m):** 73.5
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphorus
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.3</td>
<td>Sand Silty</td>
</tr>
<tr>
<td>11.6</td>
<td>729.7 Clay Sandy Yellow</td>
</tr>
<tr>
<td>26.2</td>
<td>715.0 Clay Blue</td>
</tr>
<tr>
<td>29.9</td>
<td>711.4 Sand</td>
</tr>
<tr>
<td>50.6</td>
<td>690.7 Clay Blue</td>
</tr>
<tr>
<td>62.2</td>
<td>679.1 Sand</td>
</tr>
<tr>
<td>65.2</td>
<td>676.0 Clay Blue</td>
</tr>
<tr>
<td>68.3</td>
<td>673.0 Sandstone</td>
</tr>
<tr>
<td>72.2</td>
<td>669.0 Shale Gray</td>
</tr>
<tr>
<td>75.9</td>
<td>665.4 Shale Green</td>
</tr>
<tr>
<td>90.2</td>
<td>651.0 Shale Gray</td>
</tr>
<tr>
<td>94.8</td>
<td>646.5 Sandstone</td>
</tr>
<tr>
<td>95.7</td>
<td>645.5 Shale Gray</td>
</tr>
<tr>
<td>96.3</td>
<td>644.9 Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>98.1</td>
<td>643.1 Shale Green</td>
</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Database:** 1.000H
**Project:**

**AEP Data:** Yes
**Well Field Verified:** No

---

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Irrigation
- **Completed Depth:** 61.9 m
- **NPWL (m):** 3.4 m
- **Verified NPWL (m):**
- **Abandonment:**

### Casings:
- **Type:** Plastic
- **Depth (m):** 61.9
- **Bottom (m):** 61.9
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**

### Screen:
- **Material:** PI
- **OD (mm):** 1.5
- **from (m):** 37.5
- **to:** 61.9
- **Size:** 0.02

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 410.5
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Calcium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:**
- **m³/day**

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Well Number 06582:
- **Well Owner:** Hogan, Pat
- **Drilling Contractor:** Summers, David Drilling
- **Elevation (AMSL) (m):** 735
- **AEP:** 443225
- **Date Started:** 06 Aug 94
- **Easting:** 55,043.80
- **No:**
- **Date Completed:** 06 Aug 94
- **No:**
- **No:**
- **No:**
- **No:**
- **No:**
- **No:**
- **No:**
- **No:**
- **No:**

---

**Water Well Positioned by PFRA in 10TM NAD 27**

*Remarks:*

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**Well Number: 06583**

**Well Owner:** Hogan, Pat

**Drilling Contractor:** Cobob Pumps And Services Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>AEP:</th>
</tr>
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<tbody>
<tr>
<td>734</td>
<td>352100</td>
</tr>
</tbody>
</table>

| Licence No.: Easting: Northing: |
|-------------------------------|----------|
|                                | 58,045.32 | 5,929,252.50 |

| Date Started: Date Completed: |
|-------------------------------|----------|
| 09 Jul 90                     | 13 Jul 90 |

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 108.7 (m)
- **NPWL (m):** 10.7
- **Verifed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 91.4
- **Bottom (m):** 91.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 91.4

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 88.4
- **Bottom (m):** 109.7

### Perforated How:
- **Machine**
- **from (m):** 91.4 to 109.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Sub**
- **Model:** Gould
- **Intake (m):** 81.7

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 620.0
- **Level End (m):** 73.2
- **Drawdown (m):** 62.5
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 27.4

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

### Depth Elevation
<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
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</table>

### Lithologic Description
(No Lithologic Information Available)

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Calcium:**
- **Magnesium:**
- **Sodium:**
- **Potassium:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Owner:** Benedict, Eloise

Drilling Contractor: Unknown Driller

**Elevation (AMSL) (m):** 731

**AEP:** 356892

**Licence No.:** 60,815.73

**Easting:** 5,929,289.50

**Date Started:**

**Date Completed:**

**Well Number:** 06584

---

**Processed on:** 2/20/98
**SE 33-052-01 W5M**

**Well Number: 06585**

**Well Owner:** Clements, M.  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m): 729**  
**AEP: 362040**  
**Licence No.:**  
**Date Started:** 27 Nov 91  
**Date Completed:** 28 Nov 91  
**Easting:** 60,910.61  
**Northing:** 5,929,057.00

---

### General

- **Type of Work:** New Well-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** 18.9  
- **Verified NPWL (m):** 29 Nov 91  
- **Abandonment:** Bentonite Product  
- **Date:** 29 Nov 91

### Casing

<table>
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<th>Type</th>
<th>Depth (m)</th>
<th>OD (mm)</th>
<th>Thickness (mm)</th>
<th>Seal Type</th>
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<tbody>
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<td>58.2</td>
<td>152.4</td>
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<tr>
<td></td>
<td>Bottom</td>
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- **from (m):** 2.4 to 9.8

### Liner

- **Type:** St  
- **OD (mm):** 58.2  
- **Thickness (mm):** 1.2  
- **Size:** 0.01  
- **from (m):** 58.2 to 59.7

### Screen

- **Material:** St  
- **OD (mm):** 1.2  
- **Size:** 0.01  
- **from (m):** 58.2 to 59.7

### Open Hole

- **from (m):**

### Pump

- **Model:**
- **Intake (m):** 57.3

### Testing

- **Rate (lpm):** 109.5  
- **Time (minute):** 120.0  
- **Level End (m):** 57.3  
- **Drawdown (m):** 38.4  
- **Rec'd intake (m):** 48.8  
- **Rec'd Rate (lpm):** 91.2

### Laboratory

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<td>TDS</td>
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<tr>
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<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SE 33-052-01 W5M**

**Well Owner:** Dunbar, Sandra  
**Drilling Contractor:** Double R Drig

**Well Number:** 06586  
**Elevation (AMSL) (m):** 727  
**AEP:** 360349  
**Licence No.:** Easting: 60,780.20  
**Date Started:** 19 Sep 91  
**Northing:** 5,929,727.00  
**Date Completed:** 25 Sep 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

### Depth Elevation

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<th>AMSL (m)</th>
<th>Lithologic Description</th>
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<td>80.8</td>
<td>Clay Sandy</td>
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<tr>
<td>152.4</td>
<td>114.3</td>
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<td>713.1</td>
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<td>681.1</td>
<td>45.7</td>
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<td>679.9</td>
<td>46.9</td>
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<td>670.4</td>
<td>56.4</td>
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<td>Sand &amp; Coal</td>
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<tr>
<td>620.5</td>
<td>106.4</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

### Casing:
- **Type:** Plastic  
- **Depth (m):** 80.8  
- **Bottom (m):** 80.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

### Liner:
- **Type:** Cement/Grout  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 80.8  
- **Bottom (m):** 106.4

### Perforated How:
- **from (m):** 82.3  
- **to:** 106.4  
- **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):**
    - **to:**
  - **Thickness (mm):**
  - **Top (m):** 80.8  
  - **Bottom (m):** 106.4

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 76.2

### Testing:
- **Rate (lpm):** 11.4  
- **Time (minute):** 240.0  
- **Level End (m):** 76.2  
- **Drawdown (m):** 59.4  
- **Rec'd intake (m):** 76.2  
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

### Electric Log:
- **Transmissivity:** \( m^2/\text{day} \)  
- **Gamma Log:** Storativity:

### Aquifer Test:
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Chemical Constituents:
- **COD**  
- **pH**  
- **SAR**  
- **TDS**  
- **Sodium**  
- **Potassium**  
- **Calcium**  
- **Magnesium**  
- **Carbonate**  
- **Bicarbonate**  
- **Aluminum**  
- **Sulphate**  
- **Chloride**  
- **Fluoride**  
- **Iron**  
- **TOC**  
- **Silica**  
- **Lead**  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
### SE 33-052-01 W5M

**Well Owner:** Evans, Harold S.  
**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 731  
**AEP:** 401090  
**Licence No.:** Easting: 60,815.73  
**Date Started:** 24 Aug 94  
**Northing:** 5,929,289.50  
**Date Completed:** 30 Aug 94

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<td>(m)</td>
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<tbody>
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<td><strong>Cobalt:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Phosphate:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CO2:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Alkalinity:</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 33-052-01 W5M**

**Well Number:** 06588

**Well Owner:** Fuhr, Keith

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 734

**AEP:** 357878

**Licence No.:** Easting: 60,513.06

**Date Started:** 02 Apr 91

**Northing:** 5,929,174.50

**Date Completed:** 03 Apr 91

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 46.9
- **Bottom (m):** 46.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Thickness (mm):**
- **From (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **From (m):**
- **Bottom (m):**
- **Size:** from (m): to

**Open Hole:**
- **From (m):**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 27.4
- **Drawdown (m):** 3.1
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.1</td>
<td>724.5</td>
<td>Clay Silty Yellow</td>
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<tr>
<td>19.2</td>
<td>714.4</td>
<td>Sand</td>
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<tr>
<td>21.3</td>
<td>712.3</td>
<td>Clay Hard Yellow</td>
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<tr>
<td>29.0</td>
<td>704.6</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>32.0</td>
<td>701.6</td>
<td>Sand</td>
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<tr>
<td>33.5</td>
<td>700.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>50.3</td>
<td>683.3</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>51.8</td>
<td>681.8</td>
<td>Clay Blue</td>
</tr>
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<table>
<thead>
<tr>
<th>Electric Log: <strong>No</strong></th>
<th>Transmissivity: m²/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gamma Log: <strong>No</strong></td>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: <strong>No</strong></td>
<td></td>
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<tr>
<td>Project: Database: 1.000H</td>
<td></td>
</tr>
<tr>
<td>AEP Data: <strong>Yes</strong></td>
<td>Well Field Verified: <strong>No</strong></td>
</tr>
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**Printed on:** 2/20/98
**SE 33-052-01 W5M**

Well Owner: George, John  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>726</th>
<th>AEP:</th>
<th>360208</th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td></td>
<td></td>
<td>61,174.77</td>
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<tr>
<td>Date Started:</td>
<td>21 Aug 80</td>
<td></td>
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<tr>
<td>Date Completed:</td>
<td>27 Aug 80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Well Number: 06589**

**General:**
- Type of Work: New Well  
- Drilling Method: Rotary  
- Well Use: Domestic  
- Completed Depth: 110.9 m  
- NPWL (m): 16.8  
- Verify NPWL (m):  
- Abandonment:  
- Casing:
  - Type: Galvanized Steel  
  - Depth (m): 74.1  
  - Bottom (m): 74.1  
  - OD (mm): 114.3  
  - Thickness (mm):  
  - Seal Type: Formation Seal  
  - from (m): to 74.1  
- Liner:
  - Type:  
  - OD (mm): 88.9  
  - Thickness (mm):  
  - Top (m):  
  - Bottom (m): 110.0  
- Perforated How: Torch  
- from (m): to 110.0  
- Size:  
- Screen:
  - Material:  
  - OD (mm):  
  - from (m): to  
  - Thickness (mm):  
- Open Hole:
  - from (m): to  
- Pump:
  - Model:  
  - Intake (m):  
  - Rate (lpm): 34.2  
  - Time (minute): 420.0  
  - Level End (m): 36.6  
  - Drawdown (m): 19.8  
  - Rec'd intake (m):  
- Electric Log: No  
- Transmissivity: m³/day  
- Gamma Log: No  
- Storativity:  
- Aquifer Test: No  
- Rec'd rate: lpm  
- AEP Data: Yes  
- Well Field Verified: No  

**Laboratory:**
- COD: Mercury  
- pH:  
- SAR: Nickel  
- TDS: KTN  
- Sodium: Strontium  
- Potassium: Molybdenum  
- Calcium: Vanadium  
- Magnesium: Zinc  
- Carbonate: Hydroxide  
- Bicarbonate: Total Hardness  
- Aluminium: Manganese  
- Sulphate: Phosphate  
- Chloride: Ion Balance  
- Fluoride: Amm. Nitrogen  
- Iron: Total Phosphate  
- TOC: Total Alkalinity  
- Silica: Lead  
- Chemical Constituents are in mg/l (ppm). Except as noted.  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 33-052-01 W5M**

**Well Owner:** Heron, Ryan  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Well Number:** 06590  
**Elevation (AMSL) (m):** 724  
**AEP:** 351739  
**Licence No.:** Easting: 60,698.09  
**Date Started:** 31 May 90  
**Northing:** 5,929,510.00  
**Date Completed:** 01 Jun 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 59.4 (m)  
**NPWL (m):** 21.3  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic
  - **Depth (m):** 55.2
  - **Bottom (m):** 55.2
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1

**Seal Type:**
- from (m): to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 55.2 to 56.4
- **Size:** 0.01

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
  - Intake (m):
- **Rate (lpm):** 16.0
- **Time (minute):** 420.0

**Testing:**
- **Level End (m):** 42.7
- **Drawdown (m):** 21.3

**Rec’d intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Barium:** Arsenic
- **Nitrate:** Molybdenum
- **Cadmium:** Beryllium
- **Manganese:** Beryllium
- **Phosphate:** Cadmium
- **Ion Balance:** Chromium
- **Amm. Nitrogen:** Cobalt
- **Total Hardness:** Copper
- **Total Alkalinity:** Lead
- **Sodium:** Nitrate & Nitrite

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24.4</td>
<td>700.0</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>25.3</td>
<td>699.0</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>33.2</td>
<td>691.1</td>
<td>Coal Sandy</td>
</tr>
<tr>
<td>37.2</td>
<td>687.2</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>38.4</td>
<td>685.9</td>
<td>Sand</td>
</tr>
<tr>
<td>44.2</td>
<td>680.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>49.4</td>
<td>675.0</td>
<td>Coal Sandy</td>
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<tr>
<td>50.6</td>
<td>673.7</td>
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</tr>
<tr>
<td>52.7</td>
<td>671.6</td>
<td>Coal Sandy</td>
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<tr>
<td>54.9</td>
<td>669.5</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>57.6</td>
<td>666.7</td>
<td>Sand</td>
</tr>
</tbody>
</table>
| 59.4 | 664.9 | Clay Blue

**Electric Log: No**  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project:** Database: 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

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**printed on 2/20/98**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 53.3 m
- **NPWL (m):** 16.5
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 49.7
- **Bottom (m):** 49.7
- **OD (mm):** 152.4
- **Thick (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 42.7

### Liner:
- **Type:**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 15
- **from (m):** 49.7 to 51.2
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 51.2

### Testing:
- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):** 39.3
- **Rec'd intake (m):** 27.4
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td></td>
</tr>
<tr>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>Selenium</td>
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<td>Nitrate</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
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<td>Calcium</td>
<td>TN</td>
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<td>As</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Strontium</td>
<td>Molybdenum</td>
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<td>Boron</td>
<td>From (m): to Size:</td>
</tr>
<tr>
<td>Calcium</td>
<td>Zinc</td>
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<tr>
<td>Total Hardness</td>
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<td>Aluminium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Total Phosphate</td>
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<td>TOC</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>DIC</td>
<td>Nitrate &amp; Nitrite N</td>
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</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 33-052-01 W5M**  
**Well Owner:** Luckay, Cory  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Well Number 06592**

<table>
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<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Lithologic Description</strong></td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>(m)</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td>17.1</td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 59.4 (m)</td>
<td>27.1</td>
</tr>
<tr>
<td><strong>NPWL (m): 16.8</strong></td>
<td>31.7</td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Casing:</strong></td>
<td>41.8</td>
</tr>
<tr>
<td><strong>Type:</strong> Plastic</td>
<td>50.0</td>
</tr>
<tr>
<td><strong>Depth (m): 56.4</strong></td>
<td>59.4</td>
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<tr>
<td><strong>Bottom (m): 56.4</strong></td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td><strong>Date Started:</strong> 03 May 94</td>
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<td><strong>152.4</strong></td>
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<td><strong>Drilling Contractor:</strong> D&amp;D Water Well Drilling &amp; Services</td>
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<td><strong>Seal Type:</strong> Bentonite Chips/Tablet</td>
<td><strong>Date Completed:</strong> 03 May 94</td>
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<td>from (m): <strong>36.6</strong> to <strong>39.6</strong></td>
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<td><strong>Liner:</strong></td>
<td><strong>Drilling Contractor:</strong> D&amp;D Water Well Drilling &amp; Services</td>
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<td><strong>Type:</strong></td>
<td><strong>Abandonment:</strong></td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td><strong>Casing:</strong></td>
</tr>
<tr>
<td><strong>Top (m):</strong></td>
<td><strong>Type:</strong></td>
</tr>
<tr>
<td><strong>Thickness (mm):</strong></td>
<td><strong>Bottom (m): Depth (m):</strong></td>
</tr>
<tr>
<td><strong>Perforated How:</strong></td>
<td><strong>Thickness (mm):</strong></td>
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<td>from (m): to Size:</td>
<td>1.000H</td>
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<tr>
<td>from (m): to Size:</td>
<td><strong>Yes</strong></td>
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<tr>
<td>from (m): to Size:</td>
<td><strong>No</strong></td>
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<td><strong>Screen:</strong></td>
<td><strong>Project:</strong> Database: 1.000H</td>
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<tr>
<td><strong>Material:</strong> St</td>
<td><strong>AEP Data:</strong> Well Field Verified: No</td>
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<td><strong>OD (mm): 1.5</strong></td>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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<tr>
<td>from (m): <strong>56.4</strong> to <strong>57.9</strong></td>
<td><strong>Remarks:</strong></td>
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<tr>
<td><strong>Size:</strong> <strong>0.01</strong></td>
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<tr>
<td>from (m): to Size:</td>
<td></td>
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<tr>
<td><strong>Open Hole:</strong></td>
<td><strong>Laboratory:</strong></td>
</tr>
<tr>
<td>from (m): to</td>
<td><strong>pH (pH unit):</strong> COD Mercury</td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
<td><strong>Cond. (µS/cm):</strong> SAR Nickel</td>
</tr>
<tr>
<td><strong>Model:</strong></td>
<td><strong>TDS:</strong> TKN Selenium</td>
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<td><strong>Intake (m):</strong> 57.9</td>
<td><strong>Sodium:</strong> Nitrate Strontium</td>
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<td><strong>Testing:</strong></td>
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<tr>
<td><strong>Rate (lpm):</strong></td>
<td><strong>Calcium:</strong> TN Vanadium</td>
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<tr>
<td><strong>Time (minute):</strong> 120.0</td>
<td><strong>Magnesium:</strong> TC Zinc</td>
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<td><strong>Level End (m):</strong> 21.9</td>
<td><strong>Carbonate:</strong> DIC Hydroxide</td>
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<tr>
<td><strong>Rec'd intake (m):</strong></td>
<td><strong>Bicarbonate:</strong> Arsenic Total Hardness</td>
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<td><strong>Rec'd Rate (lpm):</strong> 22.8</td>
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<td><strong>Screen:</strong></td>
<td><strong>Sulphate:</strong> Beryllium Phosphate</td>
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<td><strong>Material:</strong></td>
<td><strong>Chloride:</strong> Cadmium Ion Balance</td>
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<td><strong>OD (mm):</strong></td>
<td><strong>Fluoride:</strong> Chromium Amm. Nitrogen</td>
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<td><strong>Bottom (m): Top (m):</strong></td>
<td><strong>Iron:</strong> Cobalt Total Phosphate</td>
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<td><strong>Perforated How:</strong></td>
<td><strong>TOC:</strong> Copper Total Alkalinity</td>
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<tr>
<td><strong>Size:</strong></td>
<td><strong>Silica:</strong> Lead Nitrate&amp;Nitrite N</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
</tr>
</tbody>
</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 m
- **NPWL (m):** 17.0
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 90.2
- **Bottom (m):** 90.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 89.0
- **to:** 90.2

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 88.7
- **Bottom (m):** 103.6
- **Perforated How:** Saw
- **from (m):** 97.5
- **to:** 103.6
- **Size:**
- **from (m):**
- **to:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Sub**
- **Model:**
- **Intake (m):** 89.0

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):** 56.7
- **Drawdown (m):** 39.3
- **Rec'd intake (m):** 71.9
- **Rec'd Rate (lpm):** 27.4

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Calcium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 06593**

**Elevation (AMSL) (m):** 731
- **AEP:** 387031
- **Licence No.:**
- **Easting:** 60,815.73
- **No:**
- **Northing:** 5,929,289.50
- **Jun 94**
- **Date Started:**
- **Date Completed:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL):**
- **Lithologic Description**
- **(m) (m)**
- **Clay Silty Brown**
- **Clay Brown**
- **Sand & Coal Fine Grained**
- **Sand Fine Grained**
- **Sand & Coal Coarse Grained**
- **Clay Brown**
- **Sand**
- **Coal Fine Grained**
- **Shale Mixed**
- **Sandstone Gray**
- **Shale Mixed**
- **Sandstone Brownish Gr**

**Database:**
- **Project:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
SE 34-052-01 W5M

Well Number: 06594

Well Owner: Morin, Louis
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 722
AEP: 364072
Licence No.: Easting: 62,821.74
Date Started: Northing: 5,929,105.50
Date Completed: 24 Sep 73

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 51.8 (m)
NPWL (m): 1.5 Verified NPWL (m):
Abandonment:
Casing:
Type: Galvanized Steel
Depth (m): 42.7 Bottom (m): 42.7
OD (mm): 108.0 Thickness (mm): 0.1
Seal Type: Sand Pack
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 42.7 to 43.9 Size: 0.01
from (m): to
from (m): to
Open Hole:
from (m): to

Pump: Sub, Ba8
Model: Mcdougall,50ki
Intake (m): 21.0

Testing:
Rate (lpm): 63.9 Time (minute): 510.0
Level End (m): 7.6 Drawdown (m): 6.1
Rec'd intake (m): 21.0 Rec'd Rate (lpm):

Laboratory:

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
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<tr>
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<td>Nitrate</td>
<td>Strontium</td>
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<td>Potassium</td>
<td>Nitrite</td>
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<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<td>Arsenic</td>
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<td>Total Phosphate</td>
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<tr>
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<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 74.7 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Well Use:** Industrial
- **Completed Depth:** 39.6 m
- **NPWL (m):** 2.7
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to 35.0

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 35.0 to 36.6
- **Size:** 0.02
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 364.9
- **Time (minute):** 420.0
- **Level End (m):** 18.3
- **Drawdown (m):** 15.5
- **Rec'd intake (m):** 18.3
- **Rec'd Rate (lpm):** 364.9

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Open Hole:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **TOC:**
- **Silica:** Lead
  - Nitrate & Nitrite N

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 36-052-01 W5M**

**Well Owner:** West Parkland Gas Co-Op Ltd  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<tr>
<th>Well Number: <strong>06597</strong></th>
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<tbody>
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<td><strong>Elevation (AMSL) (m):</strong> 715</td>
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<tr>
<td><strong>AEP:</strong> 360021</td>
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<td><strong>Licence No.:</strong> West Parkland Gas Co-Op Ltd 360021</td>
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<tr>
<td><strong>Date Started:</strong> 13 Dec 77</td>
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<tr>
<td><strong>Easting:</strong> 64,547.97</td>
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<tr>
<td><strong>Date Completed:</strong> 16 Dec 77</td>
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<tr>
<td><strong>Northing:</strong> 5,930,175.00</td>
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</table>

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 92.7 (m)  
- **NPWL (m):** 18.3  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Galvanized Steel  
- **Depth (m):** 85.6  
- **Bottom (m):** 85.6  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Seal Type:** Driven  
- **from (m):** to 85.6  
- **Type:**  
- **OD (mm):** 88.9  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):** 91.7  
- **Perforated How:** Torch  
- **from (m):** to 91.7  
- **Size:**  
- **from (m):** to Size:  
- **Size:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **Open Hole:**  
- **from (m):** to  
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 16.0  
- **Time (minute):** 420.0  
- **Level End (m):** 57.9  
- **Drawdown (m):** 39.6  
- **Rec'd rate (lpm):**  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:** Mercury  
- **TDS:**  
- **TKN:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrile:** Molybdenum  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:** TC Zinc  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:** Manganese  
- **Sulphate:**  
- **Beryllium:** Phosphate  
- **Chloride:**  
- **Cadium:** Ion Balance  
- **Fluoride:**  
- **Chromium:** Amm. Nitrogen  
- **Iron:**  
- **Cobalt:** Total Phosphate  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate & Nitrite N:**  

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 20.7 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD (mg/l)
- **Cond. (µS/cm):** SAR (µS/cm)
- **TDS:** TKN (mg/l)
- **Sodium:** Nitrate (mg/l)
- **Nitrate:** Strontium (mg/l)
- **Nitrite:** Molybdenum (mg/l)
- **Selenium:** Vanadium (mg/l)
- **Sodium:** Zinc (mg/l)
- **Magnesium:** Hydroxide (mg/l)
- **Barium:** Total Hardness (mg/l)
- **Boron:** Manganese (mg/l)
- **Sulphate:** Beryllium (mg/l)
- **Chloride:** Phosphate (mg/l)
- **Fluoride:** Molybdenum (mg/l)
- **Iron:** Ammonium Nitrogen (mg/l)
- **Iron:** Cobalt (mg/l)
- **Iron:** Total Phosphate (mg/l)
- **Total Organic Carbon (TOC):** Copper (mg/l)
- **Total Organic Carbon (TOC):** Total Alkalinity (mg/l)
- **Silica:** Lead (mg/l)
- **Silica:** Nitrate (mg/l)
- **Silica:** Nitrite N (mg/l)

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
- **(BGL) (AMSL)**
- **(m) (m)**

**Lithologic Description**

(No Lithologic Information Available)

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Well Use:** Domestic
- **Completed Depth:** 97.2 (m)
- **NPWL (m):** 45.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 71.6
- **Bottom (m):** 71.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 71.6

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.0
- **Top (m):** to 96.3
- **Bottom (m):**

**Perforated How:** Torch
- **from (m):**
- **to:** 96.3
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 53.3
- **Drawdown (m):** 7.6
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Vanadium:**
- **Calcium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**

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<tr>
<td>Silica</td>
<td>0</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**NE 02-052-02 W5M**

**Well Owner:** Birchland Builders  
**Drilling Contractor:** Summers, David Drilling

<table>
<thead>
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<th>General:</th>
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<tr>
<td><strong>Type of Work:</strong> New Well</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 84.7 (m)</td>
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<td><strong>NPWL (m):</strong> 27.4</td>
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<td><strong>Depth (m):</strong> 84.7</td>
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<td><strong>Bottom (m):</strong> 84.7</td>
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<td><strong>OD (mm):</strong> 127.0</td>
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<td><strong>Bottom (m):</strong> 84.7</td>
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<td><strong>Perforated How:</strong> Machine</td>
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<td><strong>to:</strong> 84.7</td>
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<td><strong>to:</strong></td>
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<table>
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<th>Open Hole:</th>
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<tr>
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**Testing:**

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<td><strong>COD:</strong></td>
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<td><strong>SAR:</strong></td>
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<td><strong>TDS:</strong></td>
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<tr>
<td><strong>Nitrogen:</strong></td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
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<td><strong>Calcium:</strong></td>
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<td><strong>Magnesium:</strong></td>
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<td><strong>Vanadium:</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>to:</strong></td>
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<td><strong>Pump:</strong></td>
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<td><strong>Testing:</strong></td>
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**Well Number 06600**

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<td>377754</td>
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<td>Date Started:</td>
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<td>Easting:</td>
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<tr>
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| Depth Elevation |
| --- | --- | --- |
| (BGL) | (AMSL) | Lithologic Description |
| **(m)** | **(m)** |  |
| 18.3 | 724.4 | Silt Brown  |
| 25.9 | 716.8 | Clay Blue  |
| 27.4 | 715.3 | Silt Blue  |
| 42.7 | 700.1 | Clay Blue  |
| 54.9 | 687.9 | Silt Blue  |
| 59.4 | 683.3 | Shale Green  |
| 64.0 | 678.7 | Shale Gray  |
| 70.1 | 672.6 | Sandstone  |
| 74.7 | 668.1 | Shale  |
| 84.7 | 658.0 | Sandstone  |

**Water Well Positioned by PFRA in 10TM NAD 27**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 86.0 m
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 69.5
- **Bottom (m):** 69.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
- **from (m):** to 69.5

## Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 68.6
- **Bottom (m):** 86.0
- **Perforated How:** Saw
- **from (m):** to 86.0

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 73.2

## Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 480.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):** 73.2
- **Rec’d Rate (lpm):** 27.4

## Laboratory:
- **Cod:**
- **pH:**
- **Con.:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Pump:**
- **Laboratory:**

## Lithologic Description:
- **Depth (m):**
- **Elevation (BGL) (m):**
- **Lithologic Description:**
  - 9.1 740.6 Clay Hard
  - 13.7 736.0 Clay Sandy
  - 19.8 729.9 Sand
  - 32.0 717.7 Clay Silty
  - 45.7 704.0 Till Sandy
  - 54.9 694.9 Coal
  - 66.4 683.3 Till & Rocks
  - 68.3 681.5 Shale Sandy Gray
  - 70.7 679.0 Shale Greenish Gray
  - 72.5 677.2 Shale Sandy Gray
  - 74.7 675.1 Shale & Sandstone Gray
  - 78.6 671.1 Shale Green
  - 79.6 670.2 Shale Sandy Gray
  - 80.2 669.6 Sandstone Stringers Hard
  - 81.7 668.0 Sandstone Fine Grained
  - 83.8 665.9 Shale Sandy Gray
  - 85.3 664.4 Sandstone
  - 86.0 663.8 Shale

## Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Aquifer Test:**

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Notices:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No
**SE 02-052-02 W5M**

**Well Owner:** Mickelson, Lyle  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 738  
**AEP:** 377750  
**Licence No.:**  
**Date Started:** 11 Jan 94  
**Easting:** 54,753.45  
**Date Completed:** 14 Jan 94  
**Northing:** 5,920,811.50

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 105.5 (m)  
- **NPWL (m):** 42.1  
- **Verified NPWL (m):**  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth (m):** 71.3  
  - **Bottom (m):** 71.3  
  - **OD (mm):** 152.4  
  - **Thickmess (mm):** 0.1  
- **Seal Type:** Bentonite & Cement  
  - **from (m):** to 71.3

### Casing:
- **Type:** Plastic  
- **Depth (m):** 71.3  
- **Bottom (m):** 71.3  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 70.1  
- **Bottom (m):** 105.5  
- **Perforated How:** Saw  
  - **from (m):** to 83.8  
  - **Size:**
  - **from (m):** to 103.6  
  - **Size:**
  - **from (m):** to Size:

### Liner:
- **Type:** Plastic  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 70.1  
- **Bottom (m):** 105.5  
- **Perforated How:** Saw  
  - **from (m):** to 83.8  
  - **Size:**
  - **from (m):** to 103.6  
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
  - **Intake (m):** 70.1

### Testing:
- **Rate (lpm):**
  - **Time (minute):** 120.0  
- **Level End (m):** 42.1  
- **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 45.6

---

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TKN:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 93.0 m
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**
  - **Type:** 
  - **Depth (m):** Bottom (m): 
  - **OD (mm):** Thickness (mm): 
  - **Seal Type:** from (m): to 
- **Liner:**
  - **Type:** 
  - **OD (mm):** Thickness (mm): 
  - **Top (m):** Bottom (m): 
  - **Perforated How:** from (m): to Size: 
  - **from (m): to Size:** 
  - **from (m): to Size:** 
- **Screen:**
  - **Material:** 
  - **OD (mm):** from (m): to Size: 
  - **from (m): to Size:** 
- **Open Hole:** from (m): to 
- **Pump:**
  - **Model:** 
  - **Intake (m):** 
- **Testing:**
  - **Rate (lpm):** Time (minute): 
  - **Level End (m):** Drawdown (m): 
  - **Rec’d intake (m):** Rec’d Rate (lpm): 

### Laboratory:
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<td>TDS</td>
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<td>Lead</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:
- **Transmissivity:** m³/day 
- **Storativity:**

### Gamma Log:
- **Aquifer Test:** No 
- **Project:** Database: 1.000H 

### Aquifer Test:
- **Rec’d Rate (lpm):** Rec’d intake (m): 

### Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 06604

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<th>General</th>
<th>Depth Elevation (BGL) (AMSL)</th>
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<td>Well Owner: Kyle, Gord</td>
<td>(m)</td>
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<td>Drilling Contractor: D&amp;D Water Well Drilling &amp; Services</td>
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<td>Elevation Depth (m): 79.6</td>
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<td>OD (mm): 152.4</td>
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<td></td>
<td>Seal Type: Bentonite Chips/Tabl</td>
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<tr>
<td></td>
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<td></td>
<td>Casing: Plastic</td>
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<td></td>
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<td></td>
<td>Open Hole: Plastic</td>
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<td></td>
<td>Pump: Plastic</td>
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Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
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<thead>
<tr>
<th>General:</th>
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<tbody>
<tr>
<td>Type of Work: <strong>Test Hole</strong></td>
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<tr>
<td>Drilling Method: <strong>Unknown</strong></td>
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<td>Well Use: <strong>Investigation</strong></td>
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<td>NPWL (m): <strong>Verified NPWL (m):</strong></td>
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<td>Depth (m): <strong>Bottom (m):</strong></td>
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<tr>
<td>OD (mm): <strong>Thickness (mm):</strong></td>
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<td>Seal Type: from (m): to</td>
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<th>Open Hole:</th>
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<td>Rec'd Rate (lpm):</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

<table>
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<th>Remarks:</th>
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Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
  - NPWL (m): 21.3
- **Abandonment:**
- **Lithologic Description**
  - **Depth (m):** 55.2
  - **Bottom (m):** 55.2
- **Drilling Contractor:** Cobob Pumps And Services Ltd.

**Casing:**
- **Type:** Plastic
  - **Depth (m):** 55.2
  - **Bottom (m):** 55.2
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
  - **from (m):** 53.3
  - **to:** 55.2

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):**
      - **to:** Size:
    - **from (m):**
      - **to:** Size:

**Open Hole:**
- **from (m):**

**Pump:** Sub
- **Model:** Gould 7g05422
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 31.9
  - **Time (minute):** 120.0
- **Level End (m):** 48.8
  - **Drawdown (m):** 27.4
- **Rec'd intake (m):** 51.8
  - **Rec'd Rate (lpm):** 27.4

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to
  - **Elevation Depth (AMSL)(BGL):**

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate & Nitrite N

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06607
**Well Owner:** Saunders, Rick/Karen
**Drilling Contractor:** Unknown Driller
**Elevation (AMSL) (m):** 743
**AEP:** 356865
**Date Started:**
**Date Completed:**
**License No.:**
**Easting:** 48,372.93
**Northing:** 5,921,993.50
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

(No Lithologic Information Available)
Barry, Dan
396767732
49,366.47
11 May 94
Mcginn, Gerald Drilling Ltd.
5,920,856.00
13 May 94
New Well
Rotary
9.1
Clay Sandy Yellow
723.3
47.2
Clay  Blue
88.1
685.2
Sand & Coal
47.2
53.3
Clay  Blue
68.1
669.0
Shale Sandy Gray
51.8 680.6
518.0
74.4 658.0
Shale Brittle
76.2 656.2
Shale Sandy Gray
76.8 655.6
Shale Green
77.4 655.0
Sandstone
64.0 64.0
80.5 64.0
Shale  Green
88.1
644.6
Shale Sandy Gray
87.8
644.3
Shale Green
Saw
Goulds 5g05412
67.1
22.8
120.0
13.7
67.1 22.8
67.1
1.000H
No
No
No
Yes No
Water Well Positioned by PFRA in 10TM NAD 27

Well Number: 06608
Well Owner: Barry, Dan
Drilling Contractor: Mcginn, Gerald Drilling Ltd.
Elevation (AMSL) (m): 732
AEP: 396767
Licence No.: Easting: 49,366.47
Date Started: 11 May 94 Northing: 5,920,856.00
Date Completed: 13 May 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 88.1 (m)
NPWL (m): 47.2 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 64.0 Bottom (m): 64.0
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 64.0

Liner:
Type:
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 62.2 Bottom (m): 87.2
Perforated How: Saw
from (m): 64.0 to 87.2 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Goulds 5g05412
Intake (m): 67.1

Testing:
Rate (lpm): 22.8 Time (minute): 120.0
Level End (m): 67.1 Drawdown (m): 13.7
Rec'd intake (m): 67.1 Rec'd Rate (lpm): 22.8

Laboratory:

pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminium
Barium
Sulphate
Beryllium
Chloride
Fluoride
Iron
TOC
Silica
COD
SAR
TKN
Nitrate
Molybdenum
Vanadium
TC
DIC
Arsenic
Total Hardness
Manganese
Phosphite
Cadmium
Amm. Nitrogen
Cobalt
Total Phosphate
Copper
Total Alkalinity
Lead
Fluoride
Iron
TOC
Silica

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 80.8 (m)
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing
- **Type:** Plastic
- **Depth (m):** 59.4
- **Bottom (m):** 59.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 59.4

### Liner
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 80.8

### Perforated How: Saw
- **from (m):** 68.6
- **to:** 78.6
- **Size:**
- **from (m):**
- **to:**

### Screen
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole
- **from (m):**

### Pump
- **Model:**
- **Intake (m):** 80.8

### Testing
- **Rate (lpm):** 104.9
- **Time (minute):** 120.0
- **Level End (m):** 58.8
- **Drawdown (m):** 31.4
- **Rec'd intake (m):** 54.9
- **Rec'd Rate (lpm):** 22.8

### Laboratory
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate
- **Nitrite:** N

### Electric Log: No
- **Transmissivity:** m²/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data: Yes**
- **Well Field Verified: No**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 70.1 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

## Open Hole:
- **Depth:**
- **From (m):** to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium Nitrate Strontium**
- **Potassium Nitrite Molybdenum**
- **Calcium TN Vanadium**
- **Magnesium TC Zinc**
- **Carbonate DIC Hydroxide**
- **Bicarbonate Arsenic Total Hardness**
- **Aluminum Barium Manganese**
- **Sulphate Beryllium Phosphate**
- **Chloride Cadmium Ion Balance**
- **Fluoride Chromium Amm. Nitrogen**
- **Iron Cobalt Total Phosphate**
- **TOC Copper Total Alkalinity**
- **Silica Lead Nitrate&Nitrite N**

### Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NW 06-052-02 W5M**

**Well Owner:** Dunstay, T.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 739

**AEP:** 386726

**Licence No.:** Easting: 46,897.52

**Date Started:** Northing: 5,921,574.00

**Date Completed:** 07 Jul 94

---

### General:

- **Type of Work:** Old Well-Test
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 60.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 53.3  (Bottom: 53.3)
- **OD (mm):** 114.3  (Thickness (mm):)
- **Seal Type:** from (m): to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to
  - from (m): to
  - from (m): to

### Screen:

- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to
  - from (m): to

### Open Hole:

- **from (m): to**

### Pump:

- **Model:** Intake (m):

### Testing:

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<td>Rec'd Rate (lpm):</td>
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### Laboratory:

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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database: 1.000H**

**AEP Data:** Yes  Well Field Verified: No

**Electric Log:** No  Transmissivity: m³/day

**Gamma Log:** Yes  Storativity:

**Aquifer Test:** No  Project:

- **Chemical Constituents are in mg/l (ppm). Except as noted.**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.0 (m)
  - NPWL (m): 20.3
  - Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 54.0
- **Bottom (m):** 54.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):**
- **to:** 54.0

## Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 51.8
- **Bottom (m):** 81.1
- **Perforated How:** Saw
- **from (m):**
- **to:** 81.1
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

## Open Hole:
- **from (m):**
- **to:**

## Pump:
- **Model:** Jacuzzi
- **Intake (m):** 35.7

## Testing:
- **Rate (lpm):** 34.2
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 15.2
- **Rec'd Rate (lpm):** 35.7
- **Rec'd intake (m):** 31.9

## Laboratory:
- **pH (pH unit):**
- **SAR (µS/cm):**
- **TDS (Km):**
- **Nitrate (mg/l):**
- **Calcium (mg/l):**
- **Manganese (mg/l):**
- **Bicarbonate (mg/l):**
- **Barium (mg/l):**
- **Sulphate (mg/l):**
- **Beryllium (mg/l):**
- **Chloride (mg/l):**
- **Cadmium (mg/l):**
- **Chromium (mg/l):**
- **Fluoride (mg/l):**
- **Iron (mg/l):**
- **TOC (mg/l):**
- **Silica (mg/l):**

## Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm), except as noted.*
## General:
- **Type of Work:** Reconstructed
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 m
  - NPWL (m): 18.0
  - Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:** Plastic
  - Depth (m): 39.6
  - Bottom (m): 39.6
  - OD (mm): 152.4
  - Thickness (mm): 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 55.3 to 58.5

## Liner:
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 4.6
  - Bottom (m): 67.1
- **Perforated How:** Machine
  - from (m): 59.1 to 65.2
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

## Screen:
- **Material:**
  - OD (mm):
  - from (m): to
  - Size:
  - from (m): to
  - Size:

## Open Hole:
- from (m): to

## Pump:
- **Model:** Gould
  - Intake (m): 36.6

## Testing:
- **Rate (lpm):** 54.7
  - Time (minute): 120.0
  - Level End (m): 36.6
  - Drawdown (m): 18.6
  - Rec'd Rate (lpm): 36.5
  - Rec'd intake (m):

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- ** Sodium:**
  - Nitrate
  - Strontium
- **Potassium:**
  - Nitrite
  - Molybdenum
- **Calcium:**
  - TN
  - Vanadium
- **Magnesium:**
  - TC
  - Zinc
- **Carbonate:**
  - DIC
  - Hydroxide
- **Bicarbonate:**
  - Arsenic
  - Total Hardness
- **Aluminium:**
  - Barium
  - Manganese
- **Sulphate:**
  - Beryllium
  - Phosphate
- **Chloride:**
  - Cadmium
  - Ion Balance
- **Fluoride:**
  - Chromium
  - Amm. Nitrogen
- **Iron:**
  - Cobalt
  - Total Phosphate
- **TOC:**
  - Copper
  - Total Alkalinity
- **Silica:**
  - Lead
  - Nitrate&Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:

## Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 67.1 m
  - NPWL (m): Veriﬁed NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type: from (m): to

## Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m):
  - Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

## Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

## Open Hole:
- from (m): to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**NW 08-052-02 W5M**

Well Owner: **Anderson, Curtis**  
Drilling Contractor: **Cobob Pumps And Services Ltd.**

**Elevation (AMSL) (m): 745**  
AEP: **430904**  
Licence No.:  
Date Started: **17 Nov 95**  
Date Completed: **21 Nov 95**

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**Remarks:**

"Water Well Positioned by PFRA in 10TM NAD 27"

**Database:** Project: Database: **1.000H**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NW 08-052-02 W5M**

**Well Owner:** Eykelbosh, R.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

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**Elevation (AMSL) (m):** 741

**AEP:** 390453

**Licence No.:** Easting: 49,210.41

**Date Started:** 31 Aug 94

**Date Completed:** 06 Sep 94

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<td>87.5</td>
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<td>89.6</td>
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<td>97.8</td>
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<tr>
<td>100.6</td>
<td>640.9</td>
<td>Shale Gray</td>
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**Laboratory:**

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<th>Constituent</th>
<th>Value (mg/l)</th>
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<tr>
<td>pH</td>
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<td>Cond.</td>
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<td>Bicarb.</td>
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<td>Alum.</td>
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<td>Chloride</td>
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<td>Fluoride</td>
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<td>Iron</td>
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<tr>
<td>Silica</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 08-052-02 W5M**

**Well Number:** 06617

**Well Owner:** Huston, L.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 745

**AEP:** 390452

**licence No.:**

**Date Started:** 19 Aug 94

**Eastings:** 49,217.13

**Date Completed:** 23 Aug 94

**Northing:** 5,923,790.00

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<th>Elevation</th>
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<td>Type of Work: New Well</td>
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<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td></td>
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<tr>
<td>Well Use: Domestic</td>
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<td></td>
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<tr>
<td>Completed Depth: 85.3</td>
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<td></td>
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<tr>
<td>NPWL (m): 14.6</td>
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<tr>
<td>Abandonment:</td>
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<td></td>
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<tr>
<td>Casing:</td>
<td>Lithologic Description</td>
<td></td>
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<tr>
<td>Type: Plastic</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Depth (m): 73.2</td>
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<td>OD (mm): 152.4</td>
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<tr>
<td>Seal Type: Shale Trap &amp; Benton</td>
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<tr>
<td>from (m): 70.1</td>
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<tr>
<td>to 73.2</td>
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<td></td>
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<tr>
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<tr>
<td>Type:</td>
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<tr>
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<td>Top (m): 70.1</td>
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<td>Bottom (m): 85.3</td>
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<td>Perforated How: Saw</td>
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<tr>
<td>from (m): 76.2</td>
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<tr>
<td>to 82.3</td>
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<tr>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td></td>
<td></td>
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<tr>
<td>Size:</td>
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<td>Screen:</td>
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<td>OD (mm):</td>
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<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Open Hole:</td>
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<tr>
<td>from (m):</td>
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<tr>
<td>Pump: Sub</td>
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<tr>
<td>Model: Gould</td>
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<td>Rec'd intake (m): 64.0</td>
<td>Rec'd Rate (lpm): 36.5</td>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Notices:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Database:**

AEP Data: Yes  Well Field Verified: No

**Transmissivity:** m²/day

**Storativity:**

**Aquifer Test:**

**Project:**

**Electric Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**Project:** Database: 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 08-052-02 W5M**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)
  - NPWL (m): 14.6
  - Verification NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 75.6
  - **Bottom (m):** 75.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
  - **from (m):** 74.1
  - **to 74.4**

**Liner:**
- **Type:**
- **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 73.2
  - **Bottom (m):** 85.3
- **Perforated How:** Saw
  - **from (m):** 76.2
  - **to 82.3**
  - **Size:**
  - **from (m):**
  - **to**
  - **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to**
  - **Size:**
- **from (m):**
- **to**
- **Size:**

**Open Hole:**
- **from (m):**
- **to**

**Pump:**
- **Model:** Gould 7g07422
  - **Intake (m):** 67.1

**Testing:**
- **Rate (lpm):** 91.2
  - **Time (minute):** 120.0
- **Level End (m):** 67.1
  - **Drawdown (m):** 52.4
- **Rec'd Rate (lpm):** 67.1
  - **Rec'd intake (m):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Dicarbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Ion Balance:**
- **Fluoride:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **Total Organic Carbon (TOC):**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
  - Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) Litohologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>8.5</td>
<td>728.2</td>
<td>Clay Brown</td>
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<tr>
<td>31.1</td>
<td>706.7</td>
<td>Clay &amp; Sand Gray</td>
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<td>34.4</td>
<td>703.3</td>
<td>Sand Gray</td>
</tr>
<tr>
<td>58.5</td>
<td>679.2</td>
<td>Clay &amp; Sand Gray</td>
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<td>72.8</td>
<td>664.9</td>
<td>Sand &amp; Coal</td>
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<td>73.5</td>
<td>664.3</td>
<td>Shale Green</td>
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<td>74.4</td>
<td>663.4</td>
<td>Sandstone</td>
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<tr>
<td>75.9</td>
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<td>Sandstone</td>
</tr>
<tr>
<td>85.3</td>
<td>652.4</td>
<td>Shale Gray</td>
</tr>
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</table>

**Electric Log: No**
**Transmissivity:** m²/day
**Gamma Log: No**
**Storativity:**
**Aquifer Test: No**
**Project: Database:** 1.000H
**AEP Data: Yes**
**Well Field Verified: No**
**SE 08-052-02 W5M**

**Well Number:** 06619

**Well Owner:** Balogh, Jeno

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 733

**Licence No.:** Easting: 49,586.82

**Date Started:** Northing: 5,922,465.23

**Date Completed:**

---

### General

**Type of Work:** Unknown

**Drilling Method:** Unknown

**Well Use:** Domestic

**Completed Depth** 68.6 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

### Casing

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:**

**from (m):** to

### Liner

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

**from (m):** to **Size:**

**from (m):** to **Size:**

**from (m):** to **Size:**

### Screen

**Material:**

**OD (mm):** Thickness (mm):

**from (m):** to **Size:**

**from (m):** to **Size:**

**from (m):** to **Size:**

### Open Hole

**from (m):** to

### Pump

**Model:**

**Intake (m):**

**Testing**

**Rate (lpm):** Time (minute):

**Level End (m):** Drawdown (m):

**Rec’d intake (m):** Rec’d Rate (lpm):

---

### Laboratory

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<th>Chemical Constituents</th>
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<td>Silica</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Database:** 1.000H

**Project:** AEP Data: Yes Well Field Verified: No

**AEP:**

- **Data:** Project: 1.000H
- **Well Field Verified:** Yes
- **Well Number:** 06619
- **Date Started:** 49,586.82
- **Elevation:** 5,922,465.23
- **Licence No.:** Easting
- **Elevation (AMSL) (m):** 733

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Barube, Hector
Drilling Contractor: Kap'S Drilling Ltd.

Well Number: 06620
Elevation (AMSL) (m): 733
AEP: 380502
Date Started: 12 Nov 92
Easting: 49,586.82
Licence No.: Easting: 5,922,465.00
Date Completed: 18 Nov 92
Northing:

**General:**
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 73.2 (m)
NPWL (m): 16.8

**Abandonment:**
Type: Plastic
Depth (m): 47.6
Bottom (m): 47.6
OD (mm): 141.2
Thickness (mm): 0.2
Seal Type: Driven
from (m): to 47.6

**Liner:**
Type:
OD (mm): 88.9
Thickness (mm): 0.1
Top (m): 47.2
Bottom (m): 73.2

**Screen:**
Type:
OD (mm):
from (m): Size:
from (m): Size:
from (m): Size:

**Open Hole:**
from (m): to

**Pump:**
Model: Intake (m): 42.7

**Testing:**
Rate (lpm): 31.9
Time (minute): 180.0
Level End (m): 25.9
Rec'd intake (m): 42.7
Rec'd Rate (lpm): 31.9

**Laboratory:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tr>
<td>13.7</td>
<td>718.9</td>
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<td>29.0</td>
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<td>Clay Blue</td>
</tr>
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<td>36.6</td>
<td>696.1</td>
<td>Gravel &amp; Boulders</td>
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<td>41.8</td>
<td>690.9</td>
<td>Clay Blue</td>
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<td>53.3</td>
<td>679.3</td>
<td>Shale</td>
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<table>
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<tr>
<td>AEP Data: Yes</td>
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<tr>
<td>Well Field Verified: No</td>
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| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Water Well Positioned by PFRA in 10TM NAD 27 |

printed on 2/20/98
**SE 08-052-02 W5M**

**Well Owner:** Nielsen, Erik  
**Drilling Contractor:** Kap’S Drilling Ltd.

<table>
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<tr>
<th>Elevation (AMSL) (m):</th>
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<tr>
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<td>Date Completed:</td>
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**Well Number:** 06621

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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<th>Completed Depth (m)</th>
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<td>Verified NPWL (m):</td>
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</tbody>
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**Abandonment:**
- **Type:** Plastic
  - **Depth (m):** 42.1  
  - **Bottom (m):** 42.1
  - **OD (mm):** 141.2  
  - **Thickness (mm):** 0.2
- **Seal Type:** Driven
  - **from (m):** to 42.1

**Liner:**
- **Type:**  
  - **OD (mm):** 88.9  
  - **Thickness (mm):** 0.1
  - **Top (m):** 41.8  
  - **Bottom (m):** 67.1
- **Perforated How:** Saw
  - **from (m):** to 67.1  
  - **Size:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to  
    - **Size:**
  - **from (m):** to  
  - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0
- **Level End (m):** 30.5  
- **Drawdown (m):** 18.3
- **Rec’d intake (m):** 30.5  
- **Rec’d Rate (lpm):** 31.9

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.0 m (m)
- **NPWL (m):** 12.2 Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 43.3 Bottom (m): 43.3
- **OD (mm):** 141.2 Thickness (mm): 0.2
- **Seal Type:** Driven
- **from (m):** to 43.3

## Liner:
- **Type:** Driven
- **OD (mm):** 88.9 Thickness (mm): 0.1
- **Top (m):** 42.4 Bottom (m): 68.0
- **Perforated How:** Saw
- **from (m):** 43.6 to 68.0 Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Intake (m):** 36.6

## Testing:
- **Rate (lpm):** 31.9 Time (minute): 120.0
- **Level End (m):** 36.6 Drawdown (m): 24.4
- **Rec'd intake (m):** 36.6 Rec'd Rate (lpm): 31.9

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Nitrates:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Well Field Verified: No

## Lithologic Description

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<th>(m)</th>
<th>Lithologic Description</th>
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## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**NE 09-052-02 W5M**

**Well Owner:** Burton, Brian  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 728  
**AEP:** 373906  
**Licence No.:** Easting: 51,076.64  
**Date Started:** 27 Oct 93  
**Nortthing:** 5,923,780.50  
**Date Completed:** 01 Nov 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 3.1  
- **Verifed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 53.6  
- **Bottom (m):** 53.6
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
- **from (m):** 50.9  
- **to:** 52.4

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1
- **Top (m):** 51.8  
- **Bottom (m):** 67.1
- **Perforated How:** Saw
- **from (m):** 57.9  
- **to:** 64.0
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Gould 5g05422
- **Intake (m):** 42.7

### Testing:
- **Rate (lpm):** 54.7  
- **Time (minute):** 120.0
- **Level End (m):** 42.7  
- **Drawdown (m):** 39.6
- **Rec'd Rate (lpm):** 51.8  
- **Rec'd intake (m):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
SE 09-052-02 W5M

Well Owner: Woods, Tom
Drilling Contractor: Kap’S Drilling Ltd.

Well Number 06624

Elevation (AMSL) (m): 741
AEP: 365316
Licence No.: Easting: 51,288.22
Date Started: 10 Jun 92
Northing: 5,922,429.50
Date Completed: 11 Jun 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 102.1 (m)
NPWL (m): 36.6
Verified NPWL (m):
Abandonment:
Casing:
Type: Plastic
Depth (m): 82.3 Bottom (m): 82.3
OD (mm): 141.2 Thickness (mm): 0.2
Seal Type: Driven
from (m): to 82.3
Liner:
Type: Driven
OD (mm): 88.9 Thickness (mm): 0.1
Top (m): 82.0 Bottom (m): 102.1
Perforated How: Saw
from (m): 82.6 to 100.6 Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump: Sub
Model: Berkeley 7mg16
Intake (m): 61.0
Testing:
Rate (lpm): 27.4 Time (minute): 180.0
Level End (m): 61.0 Drawdown (m): 24.4
Rec’d intake (m): 61.0 Rec’d Rate (lpm): 27.4

Labaratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrate N

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

No Water Well Positioned by PFRA in 10TM NAD 27

No Chemical Constituents are in mg/l (ppm). Except as noted.

Well Field Verified: No

Electric Log: No Transmissivity: m³/day
Gamma Log: No Sstorativity:
Aquifer Test: No

Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 4.9 m
**NPWL (m):** 3.1
**Verified NPWL (m):**
**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m): 
- **OD (mm):** Thickness (mm): 
- **Seal Type:** from (m): to 

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm): 
- **Top (m):** Bottom (m): 
- **Perforated How:** from (m): to Size: 
- **from (m):** to Size: 
- **from (m):** to Size: 

**Screen:**
- **Material:**
- **OD (mm):** 
- **from (m):** to Size: 
- **from (m):** to Size: 

**Open Hole:**
- **from (m):** to 

**Pump:**
- **Model:** Intake (m): 

**Testing:**
- **Rate (lpm):** Time (minute): 
- **Level End (m):** 
- **Rec'd intake (m):** 
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Well Details:**
- **Well Number:** 06626
- **Well Owner:** Hannon, D/Mctavish, C.J.Owne
- **Elevation (AMSL) (m):** 728
- **Licence No.:**
- **Date Started:**
- **Easting:** 50,076.13
- **Northing:** 5,922,762.50
- **AEP:** 367417
- **Date Completed:**

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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

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- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**

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## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):

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## Screen:
- **Material:**
- **OD (mm):**

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## Open Hole:
- **OD (mm):**

<table>
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## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Ion Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Phosphate:**
- **Chloride:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Silica:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Electric Log:**
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:**
- **Database:** 1.000H

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 06628

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 109.7 m
- **NPWL (m):** 42.4
- **Verifed NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 94.2
- **Bottom (m):** 94.2
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 94.2

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 91.4
- **Bottom (m):** 109.7
- **Perforated How:** Saw
- **from (m):** 94.5 to 103.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
- **from (m):**

**Pump:** Sub
- **Model:** Gould 7g07422
- **Intake (m):** 73.2

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 73.2
- **Drawdown (m):** 30.8
- **Rec'd Rate (lpm):** 73.2
- **Rec'd intake (m):** 31.9

**Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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</tr>
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<td>109.7</td>
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</table>

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**AEP Data:** Yes
**Database:** 1.000H

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.3 m (m)
- **NPWL (m):** 13.1
- **Verified NPWL (m):**
- **Abandonment:**

## Casting:
- **Type:** Plastic
- **Depth (m):** 46.6
- **Bottom (m):** 46.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Cuttings
- **from (m):** to 40.2

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

## Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 46.6 to **48.2**
- **Size:** 0.01
- **from (m):** to **Size:**

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 48.2

## Testing:
- **Rate (lpm):** 136.8
- **Time (minute):** 120.0
- **Level End (m):** 28.7
- **Drawdown (m):** 15.5
- **Rec'd intake (m):** 30.5
- **Rec'd Rate (lpm):** 22.8

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbone:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 06630

**Well Owner:** Ridsdale, Tim

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 750

**AEP:** 406431

**Licence No.:** Easting: 53,190.45

**Date Started:** 08 May 95

**Northing:** 5,922,605.50

**Date Completed:** 11 May 95

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 146.3 (m)
- **NPWL (m):** 49.7 Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 118.0
- **Bottom (m):** 118.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 118.0

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 116.4
- **Bottom (m):** 146.3

**Perforated How:** Saw

- **from (m):** 121.9 to 146.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 146.3

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 127.7
- **Drawdown (m):** 78.0
- **Rec'd intake (m):** 106.7
- **Rec'd Rate (lpm):** 22.8

---

**Laboratory:**

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth**

**Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

<table>
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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Description</th>
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<tbody>
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<td>11.0</td>
<td>739.4</td>
<td>Clay Sandy Yellow</td>
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<td>32.9</td>
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<td>Sand</td>
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<td>46.0</td>
<td>704.3</td>
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<td>56.1</td>
<td>694.3</td>
<td>Sand</td>
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<td>74.4</td>
<td>676.0</td>
<td>Clay Blue</td>
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<td>100.0</td>
<td>650.4</td>
<td>Sand</td>
</tr>
<tr>
<td>104.2</td>
<td>646.1</td>
<td>Sand &amp; Gravel</td>
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</table>

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

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printed on 2/20/98
Well Number 06631

Well Owner: Alta Env #1186e
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 738
AEP: 412765
 Licence No.: 738
Easting: 55,067.84
Date Started: 28 May 74
Northing: 5,923,534.16
Date Completed: 28 May 74

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<td>27.7</td>
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<tr>
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<td>691.2</td>
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General:
Type of Well: Test Hole-Abandoned
Drilling Method: Unknown
Well Use: Investigation
Completed Depth: 47.2 (m)
Abandonment: Other 28 May 74

Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth (m):** 134.4
- **NPWL (m):** 32.9
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 100.6
  - **Bottom (m):** 100.6
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 100.6
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 99.1
  - **Bottom (m):** 134.4
- **Perforated How:** Saw
  - **from (m):** to 134.1
  - **Size:**
  - **from (m):** to 134.1
  - **Size:**
  - **from (m):** to 134.1
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**
  - **Open Hole:**
    - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 134.4
- **Testing:**
  - **Rate (lpm):** 18.2
  - **Time (minute):** 120.0
  - **Level End (m):** 116.7
  - **Drawdown (m):** 83.8
  - **Rec'd intake (m):** 106.7
  - **Rec'd Rate (lpm):** 9.1

## Laboratory:
- **COD (mg/l):** Mercury
- **SAR (µS/cm):** Nickel
- **TKN (mg/l):** Selenium
- **Nitrate (mg/l):** Strontium
- **Nitrite (mg/l):** Molybdenum
- **Beryllium (mg/l):** Zinc
- **Arsenic (mg/l):** Hydroxide
- **Bicarbonate (mg/l):** Total Hardness
- **Barium (mg/l):** Manganese
- **Sulphate (mg/l):** Phosphate
- **Chromium (mg/l):** Ion Balance
- **Fluoride (mg/l):** Amm. Nitrogen
- **Iron (mg/l):** Total Phosphate
- **TOC (mg/l):** Total Alkalinity
- **Silica (mg/l):** Lead
  - **Nitrate&Nitrite (mg/l):**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 61.0
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 83.5
- **Bottom (m):** 83.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 83.5

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 80.2
- **Bottom (m):** 91.4
- **Perforated How:** Torch
- **from (m):** 91.4 to 80.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **Pump:** Sub
- **Model:** Goulds
- **Intake (m):**

## Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 77.7
- **Drawdown (m):** 16.8
- **Rec’d intake (m):** 79.2
- **Rec’d Rate (lpm):** 45.6
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

Chemical Constituents are in mg/l (ppm). Except as noted.

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

*printed on* 2/20/98
**SE 12-052-02 W5M**

**Well Owner:** Northcott, Dave  
**Drilling Contractor:** Double R Drig

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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 93.0 m  
- **NPWL:** 39.6 m  
- **Verified NPWL:** (m):  
- **Abandonment:**  

**Casing:**
- **Type:** Plastic  
- **Depth (m):** Bottom (m):  
- **OD (mm):** 114.3  
- **Thick (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 68.6  

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thick (mm):** 0.1  
- **Top (m):** 80.8  
- **Bottom (m):** 93.0  
- **Perforated How:** Machine  
- **from (m):** 93.0 to 80.8 Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):** 11.4  
- **Time (minute):** 360.0  
- **Level End (m):** 91.4  
- **Drawdown (m):** 51.8  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

---

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Nitr:**  
- **Nit:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Iod:**  
- **Fluoride:**  
- **Chromium:**  
- **Iod:**  
- **Iron:**  
- **Cobalt:**  
- **Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:**
- **NPWL (m):** 70.1 (m)
- **Verified NPWL (m):**

**Abandonment:**
- **Type:**
- **Bottom (m):**
- **Thickness (mm):**

**Casing:**
- **Type:**
- **OD (mm):**
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Thickness (mm):**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS: TKN:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Bicarbonate:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Lead:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:**  m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 14-052-02 W5M**

**Well Owner:** Halabi, Sam/Christine  
**Drilling Contractor:** Unknown Driller

**Well Number:** 06636  
**Elevation (AMSL) (m):** 741  
**AEP:** 356866  
**Licence No.:** Easting: 53,810.38  
**Date Started:** Northing: 5,925,415.00  
**Date Completed:**

| General: |
| --- | --- |
| Type of Work: Chemistry | Well Use: Domestic |
| Drilling Method: Not Applicable | |
| Completed Depth: 129.5 (m) NPWL (m): | Verified NPWL (m): |
| Abandonment: | |

| Casing: |
| --- | --- |
| Type: | Bottom (m): |
| Depth (m): OD (mm): Thickness (mm): | |
| Seal Type: from (m): to | |

| Liner: |
| --- | --- |
| Type: OD (mm): Thickness (mm): | Top (m): Bottom (m): |
| Perforated How: from (m): to Size: | from (m): to Size: |
| from (m): to Size: | from (m): to Size: |

| Screen: |
| --- | --- |
| Material: OD (mm): | from (m): to Size: |
| from (m): to Size: | from (m): to Size: |

| Open Hole: |
| --- | --- |
| from (m): to | |

| Pump: |
| --- | --- |
| Model: | Intake (m): |
| Testing: |
| Rate (lpm): | Time (minute): |
| Level End (m): Drawdown (m): | |
| Rec’d intake (m): Rec’d Rate (lpm): | |

| Laboratory: |
| --- | --- |
| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

| Chemical Constituents are in mg/l (ppm). Except as noted. |
| --- | --- |
| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Combination
- **Well Use:** Domestic
- **Completed Depth:** 61.9 (m)
- **NPWL (m):** 3.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 57.6
- **Bottom (m):** 57.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 18.3

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 57.0 to 60.0
- **Size:** 0.01
- **Thickness (mm):**
- **Bottom (m):**
- **Top (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 32.9

### Testing:
- **Rate (lpm):** 77.5
- **Time (minute):** 240.0
- **Level End (m):** 31.7
- **Drawdown (m):** 28.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation
- **(BGL) (AMSL):**
  - 3.1 727.4 Sand Brown
  - 14.0 713.0 Sand Silty Brown
  - 18.0 712.4 Coal
  - 19.2 711.2 Clay Silty Gray
  - 25.6 704.8 Sand Silty Brownish Gray
  - 47.6 682.9 Clay Silty Gray
  - 61.9 668.5 Sand Gray

### Electric Log:
- **Yes**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printing Information:**
- Printed on 2/20/98
Well Number 06638

Well Owner: Alta Env #1310e
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 747
AEP: 412766
Licence No.: Easting: 51,542.75
Date Started: Northing: 5,925,330.50
Date Completed: 08 Oct 74

**General:**
- Type of Work: Test Hole
- Drilling Method: Unknown
- Well Use: Investigation
- Completed Depth: 93.0 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: 
- OD (mm): from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: 
- Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
<table>
<thead>
<tr>
<th>Well Number: <strong>06639</strong></th>
<th><strong>SE 15-052-02 W5M</strong></th>
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<tr>
<td><strong>Well Owner:</strong> Hinko, Steve</td>
<td>Drilling Contractor: D&amp;D Water Well Drilling &amp; Services</td>
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<tr>
<td><strong>Elevation (AMSL) (m):</strong> 744</td>
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<td><strong>Licence No.:</strong></td>
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<td><strong>Easting:</strong> 52,699.43</td>
<td>Date Completed: 28 Jul 93</td>
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<td><strong>Northing:</strong> 5,924,373.00</td>
<td><strong>Well Field Verified:</strong> No</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 128.6 (m)
- **NPWL (m):** 42.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 106.1
- **Bottom (m):** 106.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 2.7 to 106.1

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 104.9
- **Bottom (m):** 128.6
- **Perforated How:** Saw
  - **from (m):** 112.8 to 128.0
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to**
  - **Size:**
- **from (m):**
  - **to**
  - **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 103.6

**Testing:**
- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):** 70.1
- **Drawdown (m):** 28.0
- **Rec’d intake (m):** 70.1
- **Rec’d Rate (lpm):** 45.6

**Depth Elevation (BGL) (AMSL) Lithologic Description**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Clay Sandy Yellow</td>
<td>23.5</td>
<td>721.0</td>
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<tr>
<td>Sand &amp; Gravel</td>
<td>24.4</td>
<td>720.1</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>32.9</td>
<td>711.6</td>
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<tr>
<td>Sand</td>
<td>62.8</td>
<td>681.7</td>
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<tr>
<td>Clay Blue</td>
<td>68.8</td>
<td>676.2</td>
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<tr>
<td>Sandstone</td>
<td>69.8</td>
<td>674.7</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>83.5</td>
<td>661.0</td>
</tr>
<tr>
<td>Sand &amp; Coal</td>
<td>95.1</td>
<td>649.4</td>
</tr>
<tr>
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<td>110.9</td>
<td>633.5</td>
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<tr>
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<td>629.9</td>
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<tr>
<td>Shale Gray</td>
<td>127.4</td>
<td>617.1</td>
</tr>
<tr>
<td>Sandstone</td>
<td>128.6</td>
<td>615.9</td>
</tr>
</tbody>
</table>

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 77.7 m
- **NPWL (m):** 8.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 62.2
- **Bottom (m):** 62.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 62.2

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 60.7
- **Bottom (m):** 76.8
- **Perforated How:** Saw
- **from (m):** to 76.8
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Sub:**
- **Model:** Mcdonald
- **Intake (m):** 24.4

### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 120.0
- **Level End (m):** 18.3
- **Drawdown (m):** 9.8
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):** 63.9

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbone:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>9.1</td>
<td>728.0</td>
<td>Clay Yellow</td>
</tr>
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<td>57.9</td>
<td>679.2</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>58.5</td>
<td>678.6</td>
<td>Shale Soft Brown</td>
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<tr>
<td>61.9</td>
<td>675.3</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>63.7</td>
<td>673.4</td>
<td>Shale Green</td>
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<td>65.5</td>
<td>671.6</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>67.1</td>
<td>670.1</td>
<td>Shale Green</td>
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<td>70.4</td>
<td>666.7</td>
<td>Shale Sandy Gray</td>
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<td>72.8</td>
<td>664.3</td>
<td>Shale Green</td>
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<tr>
<td>74.7</td>
<td>662.5</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>77.7</td>
<td>659.4</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

### Electrical and Testing:
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

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Water Well Positioned by PFRA in 10TM NAD 27
**SE 16-052-02 W5M**

**Well Number 06641**

- **Elevation (AMSL) (m):** 734
- **AEP:** 351286
- **Licence No.:**
- **Easting:** 50,816.06
- **Date Started:** 30 May 90
- **Northing:** 5,924,586.50
- **Date Completed:** 31 May 90

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 64.0 (m)
- NPWL (m): 6.1
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 54.6
- Bottom (m): 54.6
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 54.6

**Liner:**
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 54.6
- Bottom (m): 63.1
- Perforated How: Machine
- from (m): to 63.1
- Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): 22.8
- Time (minute): 420.0
- Level End (m): 33.5
- Drawdown (m): 27.4
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

- 7.6 726.8 Clay Yellow
- 54.0 680.5 Clay Blue
- 55.2 679.3 Shale Green
- 57.3 677.1 Shale Sandy Gray
- 57.9 676.5 Shale Gray
- 61.0 673.5 Shale Sandy Gray
- 62.2 672.2 Shale Green
- 63.1 671.3 Shale Sandy Gray
- 64.0 670.4 Shale Gray

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**SE 16-052-02 W5M**

**Well Number**: 06642

**Well Owner**: Smith, Frank A.

**Drilling Contractor**: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m)**: 729
**AEP**: 351704
**Licence No.**: Easting: 50,683.84
**Date Started**: 11 Jul 90
**Nothing**: 5,924,694.50
**Date Completed**: 12 Jul 90

### General:

- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- Completed Depth: 68.6 m
- NPWL (m): 9.1
- Verified NPWL (m):
- Abandonment:

### Casing:

- **Type**: Plastic
- Depth (m): 62.5
- Bottom (m): 62.5
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap
- from (m): to 62.5

### Liner:

- **Type**: Shale Trap
- OD (mm): 127.0
- Thickness (mm): 0.1
- Top (m): 62.5
- Bottom (m): 67.7

### Perforated How:

- **Type**: Machine
- from (m): 62.5 to 67.7
- Size:

### Screen:

- **Material**: Plastic
- OD (mm):
- from (m): to Size:
- from (m): to Size:

### Open Hole:

- from (m): to

### Pump:

- **Model**: Intake (m):

### Testing:

- **Rate (lpm)**: 22.8
- **Time (minute)**: 420.0
- **Level End (m)**: 33.5
- **Drawdown (m)**: 24.4
- **Rec’d intake (m)**: **Rec’d Rate (lpm)**:

### Laboratory:

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>SAR (µS/cm)</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>TDS</td>
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<td>TC</td>
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<td>DIC</td>
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<td>Iron</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<td>TOC</td>
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<td>Silica</td>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

printed on 2/20/98
**SE 16-052-02 W5M**

Well Owner: **Sundberg, Frank A**

Drilling Contractor: **Unknown Driller**

**Elevation (AMSL) (m):** 731

**Licence No.:** Easting: 50,917.88

**AEP:** 361696

**Date Started:** Northing: 5,924,326.50

**Date Completed:**

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 67.1 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**

- from (m): to
- from (m): to
- from (m): to

### Screen:

- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to
  - from (m): to

### Open Hole:

- from (m): to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<td>TDS</td>
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<tr>
<td>Fluoride</td>
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<tr>
<td>TOC</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

**Transmissivity:** m³/day

### Gamma Log:

**Storativity:**

### Aquifer Test:

**Project:** Database: **1.000H**

**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
**SW 16-052-02 W5M**

**Well Owner:**  Borynec, N.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 727  
**AEP:** 366552  
**Date Started:** 08 Sep 92  
**Date Completed:** 11 Sep 92

**Well Number:** 06644

<table>
<thead>
<tr>
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<th>Depth</th>
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<td>721.7</td>
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<td>Well Use: Domestic</td>
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<td>Completed Depth 89.9 (m)</td>
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<tr>
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<td>71.6</td>
<td>655.6</td>
<td>Shale Dark Gray</td>
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**Casing:**

- Type: Plastic
- Depth (m): 78.0
- Bottom (m): 78.0
- OD (mm): 152.4
- Thickness (mm): 0.1

**Seal Type:** Shale Trap & Bentonite
- from (m): 76.2 to 78.0

**Liner:**

- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 76.2
- Bottom (m): 89.9

**Perforated How:** Saw
- from (m): 77.7 to 89.9
- Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Screen:**

- Material:
- OD (mm):
- from (m): to
- from (m): to
- Size:

**Open Hole:**

- from (m): to

**Pump:** Sub

- Model: Gould 7g05422
- Intake (m): 48.8

**Testing:**

- Rate (lpm): 91.2
- Time (minute): 420.0
- Level End (m): 48.8
- Drawdown (m): 30.5
- Rec’d intakes (m): 48.8
- Rec’d Rate (lpm): 45.6

**Laboratory:**

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<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
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<td>Vanadium</td>
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<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Amm. Nitrogen</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 56.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:** from (m): to Size:
- **Open Hole:** from (m): to Size:

## Pump:
- **Model:** Intake (m):

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphorus
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

## Depth Elevation (BGL) (AMSL) Lithologic Description
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<td>741.2</td>
<td>Silt Soft Greenish Yellow</td>
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<td>15.2</td>
<td>739.7</td>
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<td>19.8</td>
<td>735.1</td>
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<td>24.4</td>
<td>730.5</td>
<td>Sand Very Fine Grained Brown</td>
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<td>29.0</td>
<td>726.0</td>
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<tr>
<td>36.6</td>
<td>718.3</td>
<td>Clay</td>
</tr>
<tr>
<td>44.2</td>
<td>710.7</td>
<td>Clay Compacted</td>
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<td>47.2</td>
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<td>53.6</td>
<td>701.3</td>
<td>Siltstone Compacted Gray</td>
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<tr>
<td>56.4</td>
<td>698.5</td>
<td>Shale &amp; Siltstone Hard Dark Gr</td>
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</table>

## AEP Data
- **Well Field Verified:** Yes
- **Database:** 1.000H
- **Project:**
- **Aquifer Test:** No
- **Gamma Log:** No Storativity:
- **Electric Log:** Yes Transmissivity: m²/day

**Remarks:**

Printed on 2/20/98
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<td>Bottom (m):</td>
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<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
<td>from (m): to</td>
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<tr>
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<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
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<td>Perforated How:</td>
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<td>from (m): to</td>
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<tr>
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<td>from (m): to Size (mm):</td>
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<tr>
<td>from (m): to</td>
<td>Size (mm):</td>
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<tr>
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<td>Intake (m):</td>
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<table>
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<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<tr>
<td>TDS:</td>
<td>TKN Selenium</td>
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<td>Potassium:</td>
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<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
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<tr>
<td>Aluminium</td>
<td>Barium Manganese</td>
</tr>
<tr>
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<td>Beryllium Phosphate</td>
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<td>Chloride</td>
<td>Cadmium Ion Balance</td>
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<td>Copper Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

<table>
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<tr>
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<tbody>
<tr>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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</tbody>
</table>
**NW 17-052-02 W5M**

**Well Owner:** Ford, Garth  
**Drilling Contractor:** Unknown Driller

**Well Number:** 06647  
**Elevation (AMSL) (m):** 739  
**AEP:** 356867  
**Licence No.:**  
**Easting:** 48,651.16  
**Northing:** 5,925,140.00

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic

- **Completed Depth:** 5.5 (m)  
- **NPWL (m):** Verified NPWL (m):

### Abandonment:

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):**  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):**  
- **Top (m):** Bottom (m):

### Perforated How:
- **from (m):** to  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

**Note:** Chemical Constituents are in mg/l (ppm). Except as noted.
SE 18-052-02 W5M

Well Owner: Hayes, David
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 739
AEP: 353909
Licence No.: Easting: 48,212.36
Date Started: 18 Oct 77
Northing: 5,824,543.50
Date Completed: 19 Oct 77

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 85.6 (m)
NPWL (m): Verified NPWL (m):
Abandonment:
Casing:
Type: Galvanized Steel
Depth (m): 75.0 Bottom (m): 75.0
OD (mm): 114.3 Thickness (mm):
Seal Type: Formation Packer
from (m): to 75.0
Liner:
Type: Galvanized Steel
OD (mm): 88.9 Thickness (mm):
Top (m): Bottom (m): 84.7
Perforated How: Unknown
from (m): to 84.7 Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model: Intake (m):
Testing:
Rate (lpm): 31.9 Time (minute): 420.0
Level End (m): 48.8 Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
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<td>(m)</td>
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<td><strong>to</strong></td>
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<tr>
<td><strong>Size:</strong></td>
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<tr>
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<tr>
<td><strong>to</strong></td>
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<td></td>
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<tr>
<td><strong>from (m):</strong></td>
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</tr>
<tr>
<td><strong>to</strong></td>
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<tr>
<td><strong>Pump:</strong></td>
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</tr>
<tr>
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</tr>
<tr>
<td><strong>Testing:</strong></td>
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<td>Time (minute):</td>
<td></td>
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<tr>
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<td>Drawdown (m):</td>
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<tr>
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<td>Rec'd Rate (lpm):</td>
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<tr>
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<td>COD</td>
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<td><strong>Cond. (µS/cm):</strong></td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
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<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td><strong>Potassium:</strong></td>
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</tr>
<tr>
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<td>Arsenic</td>
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<td>Manganese</td>
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<td><strong>Fluoride:</strong></td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Cobalt</td>
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<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
<td></td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Boron:**
- **Bicarbonate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Boron:**
- **Bicarbonate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
## NE 19-052-02 W5M

**Well Owner:** Gagnon, Claude  
**Drilling Contractor:** D&D Water Well Drilling & Services

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 76.2 (m)  
- **NPWL (m):** 16.5  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 42.1  
- **Bottom (m):** 42.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 42.1

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 40.2  
- **Bottom (m):** 76.2  
- **Perforated How:** Saw  
- **from (m):** to 61.0  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size

### Open Hole:
- **from (m):** to 

### Pump:
- **Model:** 
- **Intake (m):** 76.2

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 61.6  
- **Drawdown (m):** 45.1  
- **Rec'd intake (m):** 64.0  
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):** SAR  
- **Nickel:** TDS  
- **TKN:** Selenium  
- **Sodium:** Nitrate  
- **Strontium:** Potassium  
- **Nitrite:** Molybdenum  
- **Calcium:** TN  
- **Vanadium:** Magnesium  
- **Zinc:** Carbonate  
- **Hydroxide:** Bicarbonate  
- **Total Hardness:** Alkalinity  
- **Iron:** Manganese  
- **Total Phosphate:** Sulphate  
- **Phosphate:** Chloride  
- **Cadmium:** Beryllium  
- **Strontium:** Chloride  
- **Total Alkalinity:** Fluoride  
- **Amm. Nitrogen:** Iron  
- **Total Phosphate:** TOC  
- **Copper:** Silicon  
- **Lead:** Calcium  
- **Sulphate:** Magnesium  
- **Phosphate:** Chloride  
- **Chromium:** Perchlorate  

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** No  
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation (AMSL) (m):** 741  
**AEP:** 386252  
**Licence No.:** 47,759.34  
**Easting:** 5,926,441.00  
**No**

**Date Started:** 27 Jun 94  
**Date Completed:** 28 Jun 94  
**Drilling Contractor:** NWC Water Well Drilling & Services

---

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**printed on 2/20/98**
# Well Details

**Well Number:** 06652

**Well Owner:** Vost, Gary

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 740

**Licence No.:** AEP: 387034

**Date Started:** 29 Jun 94

**Date Completed:** 30 Jun 94

**Well Positioning:** Water Well Positioned by PFRA in 10TM NAD 27

---

### General Information

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<th>Domestic</th>
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<td>New Well</td>
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<tr>
<td>Drilling Method</td>
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### Casing

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<td>Bottom (m)</td>
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### Seal Type

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<th>Shale Trap &amp; Bentoni</th>
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### Liner

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<tr>
<td>Thickness (mm)</td>
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<tr>
<td>Top (m)</td>
<td>43.9</td>
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<td>Bottom (m)</td>
<td>64.3</td>
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### Perforated How

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<tr>
<td>from (m) to (m)</td>
<td>Size:</td>
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<tr>
<td>from (m) to (m)</td>
<td>Size:</td>
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### Screen

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<th>Plastic</th>
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</thead>
<tbody>
<tr>
<td>OD (mm)</td>
<td>114.3</td>
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<tr>
<td>Thickness (mm)</td>
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### Open Hole

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### Pump

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### Testing

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<td>Rec'd intake (m): 42.7</td>
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<td>Rec'd Rate (lpm): 13.7</td>
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### Laboratory

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<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
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<td>Sodium</td>
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<td>Strontium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>DIC</td>
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<td>Beryllium</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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### Electric Log

- Electric Log: No
- Transmissivity: m²/minute/day

### Gamma Log

- Gamma Log: No
- Storativity: %

### Aquifer Test

- Aquifer Test: No
- Project: Database: 1.000H

### AEP Data

- AEP Data: Yes
- Well Field Verified: No

---

*Remarks:*

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**

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<th>Seal Type</th>
<th>from (m)</th>
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<tbody>
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<th>Bottom (m)</th>
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<th>from (m)</th>
<th>to</th>
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## Screen:
- **Material:** 
- **OD (mm):** 
- **from (m) | to | Size |
- **from (m) | to | Size |

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** 
- **Intake (m):** 

## Testing:
- **Rate (lpm):** Time (minute): 
- **Level End (m):** Drawdown (m): 
- **Rec'd intake (m):** Rec'd Rate (lpm): 

## Laboratory:

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<thead>
<tr>
<th>pH (pH unit)</th>
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<th>Mercury</th>
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<tr>
<td>Silicon</td>
<td>Lead</td>
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</table>

## Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 12.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 36.3
- **Bottom (m):** 36.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
  - from (m): to 36.3

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 33.2
- **Bottom (m):** 61.0
- **Perforated How:** Machine
  - from (m): to 59.1
  - Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):** 61.0

### Testing:
- **Rate (lpm):** 114.0
- **Time (minute):** 180.0
- **Level End (m):** 36.6
- **Drawdown (m):** 24.1
- **Rec'd intake (m):** 36.6
- **Rec'd Rate (lpm):** 68.4

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- ** Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description

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<td>Clay Brownish Yellow</td>
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<td>28.0</td>
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<td>720.5</td>
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<td>31.7</td>
<td>718.6</td>
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<td>59.1</td>
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<tr>
<td>61.0</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NE 20-052-02 W5M**

**Well Number:** 06655

**Well Owner:** Magnuson, Gerry  
**Drilling Contractor:** Midwest Water Well Ltd.

<table>
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<th>Elevation (AMSL) (m)</th>
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<tr>
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<td>Sandstone</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 79.2 (m)  
**NPWL (m):** 32.0  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 55.8  
- **Bottom (m):** 55.8  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 55.5  
- **to:** 55.8

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 51.8  
- **Bottom (m):** 79.2

**Perforated How:** Hand Drill  
**from (m):** 54.9  
**to:** 79.2  
**Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m): 79.2

**Testing:**
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 79.2  
- **Drawdown (m):** 47.2  
- **Rec’d intake (m):** 51.8  
- **Rec’d Rate (lpm):** 91.2

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- **Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 06656  
NE 20-052-02 W5M

**Well Owner:** Osborne, Ray/Church Of Christ  
Drilling Contractor: Westar Water Well Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic
- **Completed Depth:** 80.8 m  
- **NPWL (m):** 22.9  
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 51.8  
- **Bottom (m):** 51.8  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
  - from (m): to 51.5

### Liner:
- **Type:**
  - OD (mm): 88.9  
  - Thickness (mm): 0.1  
- **Top (m):** 50.3  
- **Bottom (m):** 80.8  
- **Perforated How:** Saw  
  - from (m): to 51.8  
  - to 79.6  
  - Size:  
  - from (m): to  
  - to  

### Screen:
- **Material:**
  - OD (mm):  
  - from (m): to  
  - to  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 50.3  
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 50.3  
- **Rec'd intake (m):** 27.4  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Selenium:**  
- **Potassium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
  - Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27
**NW 20-052-02 W5M**

Well Owner: **Bell, Garland D.**

Drilling Contractor: **Summer'S Drilling Ltd.**

**General:**
- Type of Work: **New Well**
- Drilling Method: **Bored**
- Well Use: **Domestic**
- Completed Depth: 13.7 (m)
- NPWL (m): 3.1
- Abandonment:

**Casing:**
- Type: **Galvanized Steel**
- Depth (m): 13.7
- Bottom (m): 13.7
- OD (mm): 609.6
- Thickness (mm): 0.0
- Seal Type: **Puddled Clay**
- from (m): to 3.7

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 7.3
- from (m): 9.4 to 9.8
- Size: 0.01
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): 12.8

**Testing:**
- Rate (lpm): 273.6
- Time (minute): 120.0
- Level End (m): 12.2
- Drawdown (m): 9.1
- Rec'd intake (m):
- Rec'd Rate (lpm): 13.7

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silicon: Lead

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tr>
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<tr>
<td>13.7</td>
<td>722.4</td>
<td>Clay</td>
</tr>
</tbody>
</table>

**Electric Log:** Yes
**Transmissivity:** m²/day

**Gamma Log:** Yes
**Storativity:**

**Aquifer Test:** Yes
**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 67.1
  - **Bottom (m):** 67.1
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
- **Seal Type:** Pushed
  - **from (m):** 65.8
  - **to:** 67.1
- **Liner:**
  - **Type:**
  - **OD (mm):** 88.9
  - **Thickness (mm):** 0.1
  - **Top (m):** 66.4
  - **Bottom (m):** 79.2
- **Perforated How:** Saw
  - **from (m):** 73.2
  - **to:** 78.0
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:** Sub
  - **Model:**
  - **Intake (m):** 61.0
- **Testing:**
  - **Rate (lpm):** 45.6
  - **Time (minute):** 420.0
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec’d Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lab:**
  - **COD:**
  - **SAR:**
  - **TKN:**
  - **Nitrate:**
  - **Molybdenum:**
  - **Vanadium:**
  - **Zinc:**
  - **Hydroxide:**
  - **Arsenic:**
  - **Barium:**
  - **Beryllium:**
  - **Cadmium:**
  - **Chromium:**
  - **Cobalt:**
  - **Copper:**
  - **Lead:**
  - **Phosphate:**
  - **Selenium:**
  - **Strontium:**
  - **Sodium:**
  - **Sulphate:**
  - **Bicarbonate:**
  - **Carbonate:**
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  - **Lead:**
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  - **Sodium:**
  - **Sulphate:**
  - **Bicarbonate:**
  - **Carbonate:**

### Depth Elevation (BGL) (AMSL) (m) Lithologic Description:
- **(m):**
- **(m):**
- **Lithologic Description:**
  - **9.4:** 735.7 Clay & Sand Brown
  - **14.3:** 730.9 Clay Blue
  - **21.9:** 723.3 Clay Silty
  - **32.0:** 713.2 Clay Blue
  - **37.2:** 708.0 Clay & Sand Gray
  - **41.5:** 703.7 Sand Brown
  - **44.2:** 701.0 Sandstone & Coal Trace Blue
  - **58.8:** 686.4 Shale Gray
  - **60.0:** 685.2 Sandstone Blue
  - **70.1:** 675.1 Shale Gray
  - **71.3:** 673.9 Sandstone Hard Blue
  - **73.5:** 671.7 Shale Gray
  - **78.3:** 666.9 Sandstone Blue
  - **79.2:** 666.0 Shale Gray

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 21-052-02 W5M**

**Well Owner:** Clifford, Terry  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 736  
**AEP:** 379476  
**Licence No.:**  
**Easting:** 49,992.24  
**Date Started:** 22 Oct 93  
**Northing:** 5,926,654.50  
**Date Completed:** 22 Oct 93

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 42.7 m  
- **NPWL (m):** 12.2  
- **Abandonment:**  

**Casing:**
- **Type:** Steel  
- **Depth (m):** 30.8  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 30.8

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 27.4  
- **Bottom (m):** 42.7  
- **Perforated How:** Hand Drill  
- **from (m):** 30.5  
- **to:** 42.7  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  

**Testing:**
- **Rate (lpm):** 54.7  
- **Time (minute):** 120.0  
- **Level End (m):** 42.7  
- **Rec'd intake (m):** 22.9  
- **Rec'd Rate (lpm):** 54.7

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (\(\mu\)S/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Nitrates:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  

**Transmissivity:**
- **m²/day**

**Storativity:**
- **Amm. Nitrogen**  

**Aquifer Test:**
- **No**  

**Electric Log:**
- **No**  

**Gamma Log:**
- **No**  

**Database:**
- **1.000H**  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 10.7
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 39.9
- **Bottom (m):** 39.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1

**Seal Type:** Drive Shoe

**from (m):** 39.6 to 39.9

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 36.9
- **Bottom (m):** 54.9

**Perforated How:** Hand Drill

**from (m):** 42.7 to 51.8

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

**from (m):**

**Pump:**

**Model:**

**Intake (m):**

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 36.5

**Laboratory:**

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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<td>7.9</td>
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<td>18.0</td>
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<tr>
<td>32.3</td>
<td>711.3</td>
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<td>708.9</td>
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<td>707.3</td>
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<td>38.1</td>
<td>705.5</td>
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<td>44.5</td>
<td>699.1</td>
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<td>48.2</td>
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<td>49.4</td>
<td>694.2</td>
<td>Shale Fractured Green</td>
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<td>54.9</td>
<td>688.7</td>
<td>Shale Green</td>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**SW 22-052-02 W5M**

**Well Owner:** Kolkman, Gary  
**Drilling Contractor:** Unknown Driller

- **Well Number:** 06661  
- **Elevation (AMSL) (m):** 760  
- **AEP:** 361697  
- **Licence No.:**  
- **Date Started:**  
- **Date Completed:**  
- **Easting:** 51,534.28  
- **Northing:** 5,926,346.00

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<tr>
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<td><strong>Completed Depth:</strong> 53.3 (m)</td>
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<tr>
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<tr>
<td><strong>Type:</strong></td>
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</tr>
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<td><strong>Depth (m):</strong></td>
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<td><strong>OD (mm):</strong></td>
<td><strong>Thickness (mm):</strong></td>
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<td><strong>Seal Type:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
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<td><strong>Top (m):</strong></td>
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<td><strong>Perforated How:</strong></td>
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</tr>
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<td><strong>from (m):</strong></td>
<td><strong>to</strong></td>
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<td><strong>from (m):</strong></td>
<td><strong>to</strong></td>
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<td><strong>from (m):</strong></td>
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<tr>
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<td><strong>OD (mm):</strong></td>
<td><strong>Thickness (mm):</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>to</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>to</strong></td>
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<tr>
<th>Open Hole</th>
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<td><strong>from (m):</strong></td>
<td><strong>to</strong></td>
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<tr>
<th>Pump</th>
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<tr>
<td><strong>Model:</strong></td>
<td><strong>Intake (m):</strong></td>
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<td><strong>Time (minute):</strong></td>
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<td><strong>Level End (m):</strong></td>
<td><strong>Drawdown (m):</strong></td>
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<tr>
<td><strong>Rec'd intake (m):</strong></td>
<td><strong>Rec'd Rate (lpm):</strong></td>
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<th>Laboratory</th>
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<td><strong>COD</strong></td>
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<td><strong>Cond. (µS/cm):</strong></td>
<td><strong>Nickel</strong></td>
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<tr>
<td><strong>TDS:</strong></td>
<td><strong>Selenium</strong></td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
<td><strong>Strontium</strong></td>
</tr>
<tr>
<td><strong>Potassium:</strong></td>
<td><strong>Molybdenum</strong></td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
<td><strong>Vanadium</strong></td>
</tr>
<tr>
<td><strong>Magnesium:</strong></td>
<td><strong>Zinc</strong></td>
</tr>
<tr>
<td><strong>Carbonate:</strong></td>
<td><strong>Hydroxide</strong></td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
<td><strong>Total Hardness</strong></td>
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<tr>
<td><strong>Aluminum:</strong></td>
<td><strong>Manganese</strong></td>
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<tr>
<td><strong>Sulphate:</strong></td>
<td><strong>Phosphate</strong></td>
</tr>
<tr>
<td><strong>Chloride:</strong></td>
<td><strong>Ion Balance</strong></td>
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<td><strong>Fluoride:</strong></td>
<td><strong>Amm. Nitrogen</strong></td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
<td><strong>Total Phosphate</strong></td>
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<td><strong>TOC:</strong></td>
<td><strong>Total Alkalinity</strong></td>
</tr>
<tr>
<td><strong>Silica:</strong></td>
<td><strong>Lead</strong></td>
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<tr>
<td><strong>Material:</strong></td>
<td><strong>Nitrate &amp; Nitrite N</strong></td>
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<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm), Except as noted.</th>
<th><strong>Transmissivity:</strong> m²/day</th>
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<tbody>
<tr>
<td><strong>Electric Log:</strong> No</td>
<td><strong>Aquifer Test:</strong> No</td>
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<td><strong>Aquifer Test:</strong> No</td>
<td><strong>Iron:</strong> Cobalt</td>
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<td><strong>AEP Data:</strong> Yes</td>
<td><strong>TOC:</strong> Copper</td>
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<tr>
<td><strong>Database:</strong> 1.000H</td>
<td><strong>Silica:</strong> Lead</td>
</tr>
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**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:
- **Well Use:** Test Hole-Abandoned
- **Type of Work:** Investigation

### Casing:
- **Type:** Unknown
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Unknown
- **Abandonment:** Unknown 09 Jun 94

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

### Screen:
- **Material:**
- **OD (mm):** to Size:
- **From (m):** to Size:

### Open Hole:
- **From (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

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<th>(m)</th>
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<td>5.8</td>
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<tr>
<td>10.7</td>
<td>728.3</td>
<td>Silty Lacustrine Gray</td>
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<tr>
<td>19.8</td>
<td>719.2</td>
<td>Sand &amp; Silt Lacustrine Gray</td>
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<td>24.4</td>
<td>714.6</td>
<td>Sand &amp; Silt Soft Dark Gray</td>
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<td>29.0</td>
<td>710.0</td>
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<td>33.5</td>
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<td>687.2</td>
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<td>56.4</td>
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<td>Sand &amp; Silt Fine Grained</td>
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<td>57.9</td>
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<tr>
<td>61.0</td>
<td>678.0</td>
<td>Sand &amp; Gravel Lost Circulation</td>
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### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data: Yes**
- **Well Field Verified: No**

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 85.3 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:** from (m): to Size:
- **Open Hole:** from (m): to

**Pump:**
- **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydioxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
- **BGL (m):** Lithologic Description
- **AMSL (m):**

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<th>Elevation</th>
<th>Lithologic Description</th>
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<td>740</td>
<td>8.8 730.7 Till &amp; Clay Oxidized Light Bro</td>
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<td>85.3 654.2 Sandstone Oxidized Dark Gray</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Database:**
- **Project:** AEP Data: Yes Well Field Verified: No
- **Database:** 1.000H
Well Number: **06664**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 120.1 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 79.2
- **Bottom (m):** 79.2
- **OD (mm):** 127.0
- **Thickness (mm):**
- **Seal Type:** Other
- **from (m):** to 79.2

**Liner:**
- **Type:**
- **OD (mm):** 76.2
- **Thickness (mm):**
- **Top (m):** 79.2
- **Bottom (m):** 119.2

**Perforated How:** Machine
- **from (m):** 79.2 to 119.2
- **Size:**
- **from (m):** 79.2 to Size:
- **from (m):** 79.2 to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 6.1

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Copper:**
- **Lead:**
- **Beryllium:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Denis:**
- **Phosphate:**
- **Ion Balance:**
- **Vanadium:**
- **Zinc:**
- **Vanadium:**
- **Hydroxide:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates & Nitrites:**
- **Sulfate:**
- **Lime:**
- **Total Hardness:**
- **Phosphate:**
- **Bicarbonate:**
- **Calcium:**
- **Magnesium:**

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**Well Number: 06665**

**NE 25-052-02 W5M**

**Elevation (AMSL) (m):** 746  
**AEP: 379499**

**Well Owner:** Bibaud, Jim  
**Drilling Contractor:** D&D Water Well Drilling & Services  

**Licence No.:**  
**Easting:** 55,802.44  
**Northing:** 5,928,246.50  
**Date Started:** 25 Apr 94  
**Date Completed:** 26 Apr 94

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<td>(AMSL)</td>
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<td>(m)</td>
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<td>3.4</td>
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<td>Clay Sandy Yellow</td>
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<td>82.9</td>
<td>662.6</td>
<td>Shale Green</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 82.9 (m)  
- **NPWL (m):** 18.9  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 59.4  
- **Bottom (m):** 59.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 59.4

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 57.9  
- **Bottom (m):** 82.9  
- **Perforated How:** Saw  
- **from (m):** to 82.3  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**  
- **Intake (m):** 57.9  
- **Testing:**
- **Rate (lpm):**  
- **Time (minute):** 120.0  
- **Level End (m):** 46.9  
- **Drawdown (m):** 28.0  
- **Rec'd intake (m):** 39.6  
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

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<tr>
<td>Lime</td>
<td>Lead</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**transmission:**
- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:** No
- **Electric Log:** No
- **Gamma Log:** No
- **TOC:** Copper
- **Cadmium:** Total Alkalinity
- **Chromium:** Lead
- **Iron:** Total Phosphate
- **Sulphate:** Beryllium
- **Nitrate:** Bicarbonate
- **Carbonate:** Calcium
- **Magnesium:** Chloride
- **Calcium:** Bicarbonate
- **Magnesium:** Calcium

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NE 25-052-02 W5M**

**Well Owner:** Birchland Builders  
**Drilling Contractor:** Summers, David Drilling

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<td>29 May 92</td>
<td>Easting: 56,140.48</td>
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<td>29 May 92</td>
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**Well Number:** 06666  
**Licence No.:**  
**Easting:** 56,140.48  
**Northing:** 5,926,589.00

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 50.3 m  
- **NPWL (m):** 19.8  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth:** 50.3 m  
- **Bottom:** 50.3 m  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tablet  
- **from (m):** 6.1  
- **to:** 9.1

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 48.8  
- **to:** 50.3  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Jacuzzi 13 St  
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 82.1  
- **Time (minute):** 180.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 10.7  
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH:**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Sodium:**  
- **Nitrite:**  
- **Chromium:**  
- **Nickel:**  
- **Arsenic:**  
- **Selenium:**  
- **Beryllium:**  
- **Cadmium:**  
- **Barium:**  
- **Beryllium:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Manganese:**  
- **Nitrate:**  
- **Phosphate:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
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- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Calcium:**  
- **Magnesium:**  
- **Zinc:**  
- **Barium:**  
- **Beryllium:**  
- **Cadmium:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Iron:**  
- **Nitrate:**  
- **Phosphate:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Laboratory:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Calcium:**  
- **Magnesium:**  
- **Zinc:**  
- **Barium:**  
- **Beryllium:**  
- **Cadmium:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Iron:**  
- **Nitrate:**  
- **Phosphate:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

**Field Notes:**

**Printed on:** 2/20/98
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 76.2 (m)
- NPWL (m): 21.3
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: **Steel**
- Depth (m): 47.9
- Bottom (m): 47.9
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: **Driven**
- from (m): to 46.6

**Liner:**
- Type:
- Top (m): 42.7
- Bottom (m): 76.2
- Perforated How: **Machine**
- from (m): 64.0 to 76.2
- Size:
- from (m): Size:
- from (m): Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m):

**Pump:** **Sub**
- Model: **Gould**
- Intake (m): 61.3

**Testing:**
- Rate (lpm): 91.2
- Time (minute): 180.0
- Level End (m): 45.7
- Drawdown (m): 24.4
- Rec'd Rate (lpm): 61.3
- Rec'd intake (m): 45.6

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 14.9
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 47.9
- **Bottom (m):** 47.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 47.9

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 46.3
- **Bottom (m):** 73.2
- **Perforated How:** Saw
- **from (m):** 51.8 to 70.1
- **from (m):** to 70.1
- **from (m):** to 70.1

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to 114.3
- **from (m):** to 114.3
- **from (m):** to 114.3

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):** 73.2

#### Testing:
- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):** 55.8
- **Drawdown (m):** 40.8
- **Rec'd intake (m):** 27.4
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

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### Electric Log:

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### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NE 25-052-02 W5M**

**Well Number:** 06669

- **Well Owner:** Clemets, Jeff
- **Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 741  
**AEP:** 358679  
**Licence No.:** 55,918.95  
**Date Started:** 11 Jun 91  
**Date Completed:** 18 Jun 91  
**Easting:** 5,926,402.00  
**Northing:** 55,918.95

### Depth Elevation (BGL) (AMSL)

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### General

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 100.6 (m)  
- **NPWL (m):** 14.6  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Steel  
- **Depth (m):** 76.2  
- **Bottom (m):** 76.2  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 75.6

### Liner

- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 73.2  
- **Bottom (m):** 100.6

### Screen

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole

- **from (m):**

### Pump

- **Model:** Gould  
- **Intake (m):** 70.1  
- **Rate (lpm):** 68.4  
- **Time (minute):** 420.0  
- **Level End (m):** 70.1  
- **Drawdown (m):** 55.5  
- **Rec’d intake (m):** 54.3  
- **Rec’d Rate (lpm):** 68.4

### Laboratory

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Molybdenum:**
- **TC:**
- **DIC:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Copper:**
- **Lead:**
- **Nitrate & Nitrite:**

### Testing

- **Rate (lpm):** 68.4  
- **Time (minute):** 420.0  
- **Level End (m):** 70.1  
- **Drawdown (m):** 55.5  
- **Rec’d intake (m):** 54.3  
- **Rec’d Rate (lpm):** 68.4

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project: Database: 1.000H**  
**AEP Data: Yes**  
**Well Field Verified: No**

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**printed on 2/20/98**
**NE 25-052-02 W5M**

**Well Owner:** Fox Maple Homes  
Drilling Contractor: D&D Water Well Drilling & Services

**Well Number 06670**

**Elevation (AMSL) (m):** 744  
**AEP:** 352284  
**Licence No.:** 55,849.91  
**Date Started:** 27 Aug 90  
**Date Completed:** 28 Aug 90  
**Easting:** 5,926,304.00

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<tr>
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</table>

**General:**

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Casing:**

- **Type:** Plastic  
- **Depth (m):** 59.1  
- **Bottom (m):** 59.1  
- **OD (mm):** 152.4  
- **Thickmess (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** 65.5  
- **to (m):** 82.3

**Liner:**

- **Type:**  
- **OD (mm):** 114.3  
- **Thickmess (mm):** 0.1  
- **Top (m):** 57.9  
- **Bottom (m):** 85.3  
- **Perforated How:** Other  
- **from (m):** to  
- **Size:**

**Screen:**

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

**Open Hole:**

- **from (m):** to  

**Pump:**

- **Model:**  
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 22.8  
- **Time (minute):** 180.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 42.7  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

**Laboratory:**

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<td>Total Hardness</td>
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<td>Total Alkalinity</td>
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<td>Silica</td>
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<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### NE 25-052-02 W5M

**Well Owner:** Matlejewski, Ronald  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 741  
**AEP:** 351705  
**Licence No.:** 1.000H  
**Date Started:** 18 Jul 90  
**Date Completed:** 20 Jul 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 96.0 (m)  
- **NPWL (m):** 18.3  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 84.7  
- **Bottom (m):** 84.7  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap  
- **from (m):** to 84.7

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 84.7  
- **Bottom (m):** 95.1  
- **Perforated How:** Machine  
- **from (m):** to 95.1  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 27.4  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
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- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
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- **Total Hardness:**  
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- **Ion Balance:**  
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- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

### Electric Log:
- **No**  
- **Transmissivity:** m²/day

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:**  
- **Database:** 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

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(printed on 2/20/98)
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 73.2 m
- **NPWL (m):** 13.7
- **Abandonment:**

## Casing:

- **Type:** Plastic
- **Depth (m):** 53.3
- **Bottom (m):** 53.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 53.3

## Liner:

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 50.3
- **Bottom (m):** 72.2
- **Perforated How:** Saw
- **from (m):** to 72.2

## Screen:

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:

- **from (m):** to

## Pump:

- **Model:**
- **Intake (m):**

## Testing:

- **Rate (lpm):** 34.2
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 22.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:

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## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**NE 25-052-02 W5M**

**Well Owner:** Pedersen, Tracey/Keith  
**Drilling Contractor:** D&D Water Well Drilling & Services

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### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 93.6 m  
- **NPWL (m):** 12.5  
- **Veriﬁed NPWL (m):**  
- **Abandonment:**

### Casing:

- **Type:** Plastic  
- **Depth (m):** 77.1  
- **Bottom (m):** 77.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
  - **from (m):** to 77.1

### Liner:

- **Type:** Plastic  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 75.6  
- **Bottom (m):** 93.6  
- **Perforated How:** Saw  
  - **from (m):** to 93.6  
  - **Size:**
  - **from (m):** to Size:
  - **Size:**

### Screen:

- **Material:** Plastic  
- **OD (mm):**  
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:

- **from (m):**

### Pump:

- **Model:**
- **Intake (m):** 61.0  

### Testing:

- **Rate (lpm):**
  - **Time (minute):** 120.0  
- **Level End (m):** 21.0  
- **Drawdown (m):** 8.5  
- **Rec’d intake (m):** 24.4  
- **Rec’d Rate (lpm):** 22.8

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates&Nitrite N:**

### Electric Log:

- **No** Transmissivity: m²/day  
- **No** Storativity:  
- **No** Aquifer Test:  
- **Yes** Well Field Verified: No

---

Water Well Positioned by PFRA in 10TM NAD 27

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**Elevation (AMSL) (m):** 743  
**AEP:** 386254  
**Licence No.:**  
**Date Started:** 17 Jun 94  
**Date Completed:** 20 Jun 94  
**Easting:** 56,172.12  
**Northing:** 5,928,344.50

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 25-052-02 W5M**

**Well Owner:** Penner, Jake  
**Drilling Contractor:** Summers, David Drilling

**Well Number:** 06675  
**Elevation (AMSL) (m):** 740  
**AEP:** 377757  
**Licence No.:**  
**Date Started:** 06 Nov 93  
**Easting:** 55,975.05  
**Date Completed:** 06 Nov 93  
**Northing:** 5,928,376.00

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 47.2 (m)  
- **NPWL (m):** 12.2  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 46.6  
- **Bottom (m):** 46.6  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** 39.6  
- **to:** 41.2  
- **Type:** St  
- **OD (mm):** 1.2  
- **from (m):** 45.1  
- **to:** 46.6  
- **Size:** 0.01  
- **Open Hole:**  
- **from (m):**  
- **Pump:**  
- **Model:**  
- **Intake (m):** 44.2  
- **Testing:**  
- **Rate (lpm):** 228.1  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 45.6

### Lithologic Description
- **Depth (m):**  
- **Elevation (BGL) (m):**  
- **Lithologic Description:**
  - 6.1 733.7  Sand Silty Brown  
  - 8.5 731.3  Sand Brown  
  - 33.5 706.3  Clay Blue  
  - 41.2 698.6  Silt Blue  
  - 47.2 692.5  Sand Gray

### Chemical Constituents
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrates:**  
- **Strontium:**  
- **Potassium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphates:**  
- **Calcium:**  
- **Iron:**  
- **Magnesium:**  
- **Vanadium:**  
- **Manganese:**  
- **Cadmium:**  
- **Barium:**  
- **Chromium:**  
- **Nickel:**  
- **Chloride:**  
- **Copper:**  
- **Total Hardness:**  
- **Magnesium:**  
- **Total Alkalinity:**  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**
- **Laboratory:**  
- **DIC:**
- **Hydroxide:**
- **Carbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Total Phosphate:**
- **Chloride:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Phosphate:**
- **Iron:**
- **Iron:**
- **Potassium:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Total Alkalinity:**
- **TOC:**
- **Total Hardness:**
- **Bicarbonate:**
- **Barium:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Total Phosphate:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 67.1 (m)
- **NPWL (m):** 19.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 52.1
- **Bottom (m):** 52.1
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Sand & Gravel
- **from (m):** to 30.5

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 52.1 to 53.3
- **Size:** 0.10
- **from (m):**
- **Size:**

**Open Hole:**
- **from (m):**
- **to**

**Pump:** Jacuzzi
- **Model:**
- **Intake (m):** 51.8

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 240.0
- **Level End (m):** 51.8
- **Drawdown (m):** 32.0
- **Rec'd intake (m):** 50.6
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate & Nitrite

**Remarks:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Notices:**
- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 121.9 m
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 68.3
- **Bottom (m):** 68.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Ring & Benton
  - from (m): 68.3

**Liner:**
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 67.1
  - Bottom (m): 121.9
- **Perforated How:** Other
  - from (m): 12.2 to 73.2
  - Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
  - Intake (m):

**Testing:**
- **Rate (lpm):** 27.4
  - **Time (minute):** 300.0
- **Level End (m):** 97.5
  - **Drawdown (m):** 79.2
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
  - **Nickel:**
- **TDS:**
  - **TKN:**
  - **Selenium:**
- **Sodium:**
  - **Nitrate:**
  - **Strontium:**
- **Potassium:**
  - **Nitrite:**
  - **Molybdenum:**
- **Calcium:**
  - **TN:**
  - **Vanadium:**
- **Magnesium:**
  - **TC:**
  - **Zinc:**
- **Carbonate:**
  - **DIC:**
  - **Hydroxide:**
- **Bicarbonate:**
  - **Arsenic:**
  - **Total Hardness:**
- **Aluminium:**
  - **Barium:**
  - **Manganese:**
- **Sulphate:**
  - **Beryllium:**
  - **Phosphate:**
- **Chloride:**
  - **Cadmium:**
  - **Ion Balance:**
- **Fluoride:**
  - **Chromium:**
  - **Amm. Nitrogen:**
- **Iron:**
  - **Cobalt:**
  - **Total Phosphate:**
- **TOC:**
  - **Copper:**
  - **Total Alkalinity:**
- **Silica:**
  - **Lead:**
  - **Nitrate & Nitrite:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number: 06678**

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<td>91.4 660.2 Shale Green</td>
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| Well Owner: Beach Electrical Service Ltd | Electric Log: No |
| Drilling Contractor: Mcginn, Gerald Drilling Ltd. | Transmissivity: m³/day |
| Elevation (AMSL) (m): 752 | Gamma Log: No |
| Licence No.: 353713 | Storativity: |
| Date Started: 23 Jul 90 | Aquifer Test: No |
| Date Completed: 24 Jul 90 | Project: database: 1.000H |
| AEP: 55,224.63 | AEP Data: Yes |
| Northing: 5,928,190.50 | Well Field Verified: No |

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 19.8
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Plastic
- **Depth (m):** 67.1
- **Bottom (m):** 67.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 67.1

### Liner:
- **Type:** Driven
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 67.1
- **Bottom (m):** 90.5
- **Perforated How:** Machine
- **from (m):** 67.1 to 90.5
- **Size:**
- **from (m):** to 90.5
- **Size:**
- **from (m):** to 90.5
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Drawdown (m):** 16.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **SOD:** Nitrate
- **Sodium:** Nitrate
- **Strontium**
- **Potassium:** Nitrite
- **Molybdenum**
- **Calcium:** TN
- **Vanadium**
- **Magnesium:** TC
- **Zinc**
- **Carbonate:** DIC
- **Hydroxide**
- **Bicarbonate:** Arsenic
- **Total Hardness**
- **Aluminum:** Barium
- **Manganese**
- **Sulphate:** Beryllium
- **Phosphate**
- **Chloride:** Cadmium
- **Ion Balance**
- **Fluoride:** Chromium
- **Amm. Nitrogen**
- **Iron:** Cobalt
- **Total Phosphate**
- **TOC:** Copper
- **Total Alkalinity**
- **Silica:** Lead
- **Nitrate & Nitrite**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 122.5 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 92.4
- **Bottom (m):** 92.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
- **from (m):** 89.9
- **to:** 92.4

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 89.0
- **Bottom (m):** 122.5
- **Perforated How:** Machine
- **from (m):** 114.3
- **to:** 120.4
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Gould
- **Intake (m):** 82.3
- **Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 180.0
- **Level End (m):** 82.3
- **Drawdown (m):** 61.0
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **TC:**
- **Magnesium:**
- **Calcium:**
- **Hydroxide:**
- **DIC:**
- **Arsenic:**
- **Beryllium:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphorus:**
- **Chromium:**
- **Cadmium:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Nitrite N:**
- **Sulphate:**
- **Perforated How:**
- **Top (m):**
- **Bottom (m):**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
NW 25-052-02 W5M

Well Number 06680

Well Owner: Fox Maple Homes/Neate, Barry
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 750
AEP: 358447
 Licence No.: Easting: 55,236.14
Date Started: 10 Jun 91 Northing: 5,926,655.50
Date Completed: 12 Jun 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 85.3 (m)
NPWL (m): 19.8 Verified NPWL (m):
Abandonment:
Casing:
Type: Plastic
Depth (m): 61.9 Bottom (m): 61.9
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): to 61.9
Liner:
Type: Plastic
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 61.0 Bottom (m): 85.3
Perforated How: Other
from (m): to 85.3 Size:
from (m): to Size:
from (m): to Size:
Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model:
Intake (m):
Testing:
Rate (lpm): 68.4 Time (minute): 240.0
Level End (m): 48.8 Drawdown (m): 29.0
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Ammon. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### NW 25-052-02 W5M

**Well Number:** 06681

**Well Owner:** Gabrielson, Grant

**Drilling Contractor:** D&D Water Well Drilling & Services

#### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 87.8 m
- **NPWL (m):** 21.3
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 57.9
- **Bottom (m):** 57.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 57.9

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 56.4
- **Bottom (m):** 87.8
- **Perforated How:** Saw
- **from (m):** to 85.3
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):** 85.3

#### Testing:
- **Rate (lpm):** 34.2
- **Time (minute):** 120.0
- **Level End (m):** 71.3
- **Drawdown (m):** 50.0
- **Rec'd intake (m):** 54.9
- **Rec'd Rate (lpm):** 18.2

#### Laboratory:

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

- **Completed Depth:** 88.4 (m)
  - NPWL (m): 14.0
  - Verified NPWL (m):

- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 59.1
  - **Bottom (m):** 59.1
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1

- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 59.1

**Liner:**

- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 57.9
  - **Bottom (m):** 88.4

- **Perforated How:** Saw
  - **from (m):** 61.0 to 88.4
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**

- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
  - **Intake (m):** 57.9

**Testing:**

- **Rate (lpm):** 45.6
  - **Time (minute):** 180.0
  - **Level End (m):**
  - **Rec'd intake (m):** 36.6
  - **Rec'd Rate (lpm):** 39.6

**Laboratory:**

- **pH (pH unit):**
  - **COD:** Mercury
  - **SAR:** Nickel
  - **TDS:** KTN
  - **Nitrate:** Selenium
  - **Potassium:** Nitrite
  - **Barium:** Molybdenum
  - **Calcium:** TN
  - **Magnesium:** Vanadium
  - **Carbonate:** TC
  - **Bicarbonate:** Zinc
  - **Sodium:** DIC
  - **Sulphate:** Hydroxide
  - **Aluminum:** Arsenic
  - **Beryllium:** Total Hardness
  - **Fluoride:** Lead
  - **Chloride:** Phosphate
  - **Iron:** Cadmium
  - **Magnesium:** Total Phosphate
  - **TOC:** Copper
  - **silica:** Total Alkalinity

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 106.7 m
- **NPWL:** 21.0 m
- **Verified NPWL:** 54,995.92 m
- **Date Started:** 16 Apr 92
- **Date Completed:** 23 Apr 92

**Casing:**
- **Type:** Plastic
- **Depth:** 73.8 m
- **Bottom:** 73.8 m
- **OD:** 152.4 mm
- **Thickness:** 0.1 mm
- **Seal Type:** Shale Trap & Bentonite
- **From:** 71.3 m
- **To:** 73.8 m

**Liner:**
- **Type:**
- **OD:** 114.3 mm
- **Thickness:** 0.1 mm
- **Top:** 70.1 m
- **Bottom:** 94.5 m
- **Perforated How:** Saw
- **From:** 73.2 m
- **To:** 94.5 m

**Screen:**
- **Material:**
- **OD:**
- **From:**
- **To:**

**Open Hole:**
- **From:**
- **To:**

**Pump:**
- **Model:** Gould 7g07422
- **Intake:** 106.7 m

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End:** 106.7 m
- **Drawdown:** 85.6 m
- **Rec'd Rate:** 71.6
- **Rec'd intake:** 45.6

**Laboratory:**
- **pH:** 7.34 (pH unit)
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **DIC:**
- **Carbonate:**
- **Arsenic:**
- **Barium:**
- **Beryllium:**
- **Bicarbonate:**
- **Selenium:**
- **Aluminim:**
- **Barium:**
- **Beryllium:**
- **Chloride:**
- **Sodium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Copper:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 25-052-02 W5M**

**Well Owner:** Andrews, R.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Well Number:** 06684

**Elevation (AMSL) (m):** 739

**Licence No.:** Easting: 56,036.30

**Date Started:** 24 May 94

**Date Completed:** 26 May 94

**Date Printed:** 2/20/98

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<td>to:</td>
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**Laboratory:**

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<td>Silica</td>
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*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 25-052-02 W5M**

**Well Owner:** Andrews, R.  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

---

| General: | Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 79.2 (m)  
NPWL (m): 4.3  
Verified NPWL (m):  
Abandonment: |
|---|---|
| Casing: | Type: Plastic  
Depth (m): 66.4  
Bottom (m): 66.4  
OD (mm): 152.4  
Thickness (mm): 0.1  
Seal Type: Driven & Shale Trap  
from (m): 63.4 to 66.4 |
| Liner: | Type:  
OD (mm): 114.3  
Thicknes (mm): 0.1  
Top (m): 64.0  
Bottom (m): 79.2  
Perforated How: Saw  
from (m): 70.1 to 76.2  
Size:  
from (m): to  
Size:  
from (m): to  
Size: |
| Screen: | Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:  |
| Open Hole: | from (m): to  
Open Hole: |
| Pump: | Sub  
Model: Gould  
Intake (m): 48.8 |
| Testing: | Rate (lpm): 68.4  
Time (minute): 120.0  
Level End (m): 48.8  
Drawdown (m): 44.5  
Rec'd Rate (lpm): 61.0  
Rec'd intake (m): 45.6 |
| Laboratory: | pH (pH unit):  
Cond. (µS/cm):  
TDS:  
Sodium:  
Potassium:  
Calcium:  
Magnesium:  
Carbamate:  
Bicarbonate:  
Aluminum:  
Sulphate:  
Chloride:  
Fluoride:  
Iron:  
TOC:  
Silica:  
COD:  
SAR:  
TKN:  
Nitrate:  
Beryllium:  
Arsenic:  
Barium:  
Cadmium:  
Chromium:  
Cobalt:  
Copper:  
Lead:  
Chemical Constituents are in mg/l (ppm). Except as noted. |
| Remarks: | Water Well Positioned by PFRA in 10TM NAD 27 |

---

**Depth Elevation**

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<th>(m)</th>
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<tr>
<td>Shale Green</td>
<td>79.2</td>
<td>665.7</td>
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**Well Number 06685**

**Elevation (AMSL) (m):** 745  
**AEP:** 406270  
**Licence No.:**  
**Date Started:** 10 May 95  
**Easting:** 55,752.86  
**Date Completed:** 12 May 95  
**Northing:** 5,927,553.50  

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
## SE 25-052-02 W5M

**Well Owner:** Longmuir, Glen  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<td>Northing:</td>
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<td>Date Started:</td>
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<td>Date Completed:</td>
<td>16 May 91</td>
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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 79.2 m  
- **NPWL (m):** 10.1  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 63.7  
- **Bottom (m):** 63.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 61.0

### Liner:
- **Type:** St  
- **OD (mm):** 1.5  
- **Thickness (mm):**  
- **from (m):** to  
- **Bottom (m):**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 33.2  
- **Size: 0.01**  
- **from (m):** to 34.8  
- **from (m):** to  
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 30.5  
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:** TKN  
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**  
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**  
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 m
- **NPWL (m):** 62.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 93.0
- **Bottom (m):** 93.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 93.0

### Liner:
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):** 0.1
- **Top (m):** 91.4
- **Bottom (m):** 103.6

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Berkley
- **Intake (m):** 91.4

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 180.0
- **Level End (m):** 85.3
- **Drawdown (m):** 22.9
- **Rec'd Rate (lpm):** 91.4
- **Rec'd intake (m):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Aluminum:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Total Alkalinity
- **Fluoride:** Amm. Nitrogen
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 61.0
- **Bottom (m):** 61.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Cement/Grout
- **from (m):** 54.9 to 61.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 79.2
- **Perforated How:** Other
- **from (m):** 73.2 to 79.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:** Gould
- **Intake (m):** 48.2

**Testing:**
- **Rate (lpm):** 114.0
- **Time (minute):** 420.0
- **Level End (m):** 42.7
- **Drawdown (m):** 33.5
- **Rec'd Rate (lpm):** 48.2
- **Rec'd intake (m):** 68.4

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphorus:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate & Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>Elevation</th>
<th>Lithologic Description</th>
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<td>54.9</td>
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<tr>
<td>79.2</td>
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**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Database:** 1.000H
**Project:**
**AEP Data:** Yes  **Well Field Verified:** No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)  
  **NPWL (m):** 18.0  
  **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic  
  **Depth (m):** 57.6  
  **Bottom (m):** 57.6
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite  
  **from (m):**  to 57.6

**Liner:**

- **Type:**  
  **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 54.9  
  **Bottom (m):** 67.1
- **Perforated How:** Saw  
  **from (m):** 59.4  
  **to:** 65.5  
  **Size:**
- **from (m):**  
  **to:**
- **from (m):**  
  **to:**

**Screen:**

- **Material:**  
  **OD (mm):**
  **from (m):**  
  **to:**
  **Size:**
- **from (m):**  
  **to:**
- **from (m):**  
  **to:**

**Open Hole:**

- **from (m):**

**Pump:** Sub

- **Model:** Gould 7g0742z  
  **Intake (m):** 54.9

**Testing:**

- **Rate (lpm):** 273.6  
  **Time (minute):** 120.0
- **Level End (m):** 54.9  
  **Drawdown (m):** 36.9
- **Rec'd Rate (lpm):** 57.9  
  **Rec'd intake (m):** 41.1

**Laboratory:**

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<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>
| Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06689  
**Elevation (AMSL) (m):** 749  
**AEP:** 371132  
**Licence No.:**  
**Easting:** 54,958.54  
**Date Started:** 12 Jul 93  
**Northing:** 5,927,896.50  
**Date Completed:** 13 Jul 93
## SW 25-052-02 W5M

**Well Owner:** Martin, San  
**Drilling Contractor:** Grove Drilling Ltd  
**Well Number:** 06690  
**Elevation (AMSL) (m):** 741  
**AEP:** 394200  
**Licence No.:**  55,148.93  
**Date Started:** 28 Jul 80  
**Northing:** 5,927,690.50  
**Date Completed:** 29 Jul 80  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 71.6 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 51.5  
- **Bottom (m):** 51.5  
- **OD (mm):** 116.8  
- **Thickness (mm):**  
- **Seal Type:** Driven  
- **from (m):** to 51.5  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **Open Hole:**  
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):** 51.5  
- **Testing:**  
- **Rate (lpm):** 8.0  
- **Time (minute):** 420.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbomate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Laboratory:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.
SW 25-052-02 W5M

Well Owner: Nicoli, Clarence
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 06691

Elevation (AMSL) (m): 746
AEP: 419217
Licence No.: 55,366.53
Date Started: 26 Sep 95
Noting: 5,927,908.00
Date Completed: 27 Sep 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 99.4 (m)
NPWL (m): 15.9
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 71.3
Bottom (m): 71.3
OD (mm): 152.4
Thickness (mm): 0.1

Seal Type: Shale Trap & Bentoni
from (m): 71.3

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 69.8
Bottom (m): 99.4

Perforated How: Saw
from (m): 81.1
Size: 88.1
from (m):
Size:

Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 99.4

Testing:
Rate (lpm): 104.9
Time (minute): 120.0
Level End (m): 58.8
Drawdown (m): 43.0
Rec'd intake (m): 36.6
Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
- **NPWL (m):**
- **Abandonment:** Bentonite Product 20 Jun 95

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to
- **Abandonment:**

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD, Mercury
- **Cond. (µS/cm):** SAR, Nickel
- **TDS:** TKN, Selenium
- **Sodium:** Nitrate, Strontium
- **Potassium:** Nitrite, Molybdenum
- **Calcium:** TN, Vanadium
- **Magnesium:** TC, Zinc
- **Carbonate:** DIC, Hydroxide
- **Bicarbonate:** Arsenic, Total Hardness
- **Aluminium:** Barium, Manganese
- **Sulphate:** Beryllium, Phosphate
- **Chloride:** Cadmium, Ion Balance
- **Fluoride:** Chromium, Amm. Nitrogen
- **Iron:** Cobalt, Total Phosphate
- **TOC:** Copper, Total Alkalinity
- **Silica:** Lead, Nitrate & Nitrite N

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number 06692**

- **Well Owner:** Stupniski, Jim
- **Drilling Contractor:** D&D Water Well Drilling & Services
- **Elevation (AMSL) (m):** 740
- **Licence No.:** 415516
- **Date Started:**
- **Easting:** 55,232.58
- **Date Completed:**
- **Northing:** 5,927,377.12
- **AEP Data:** Yes
- **Well Field Verified:** No

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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**Printed on 2/20/98**
### SW 25-052-02 W5M

**Well Number:** 06693

**Well Owner:** Stupniski, Jim

**Drilling Contractor:** D&D Water Well Drilling & Services

#### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 99.4 m
- **NPWL (m):** 14.0
- **Abandonment:**
- **Type:** Plastic
  - **Depth (m):** 81.7
  - **Bottom (m):** 81.7
- **OD (mm):** 152.4
  - **Thickess (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): to 81.7

#### Casing:
- **Type:** Plastic
  - **Depth (m):** 81.7
  - **Bottom (m):** 81.7
- **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 80.2
  - **Bottom (m):** 99.4
- **Perforated How:** Saw
  - from (m): 87.2 to 99.4
  - Size:
  - from (m): to Size:
  - from (m): to Size:

#### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):** 99.4
- **Rate (lpm):** 123.1
- **Time (minute):** 120.0
- **Level End (m):** 61.0
- **Drawdown (m):** 46.9
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 22.8

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#### Electric Log:
- **No**

#### Gamma Log:
- **No**

#### Aquifer Test:
- **No**

### Depth Elevation
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### Remarks:

- Chemical Constituents are in mg/l (ppm), Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 745

**AEP:** 380748

**Licence No.:**

**Date Started:** 16 Jun 95

**Date Completed:** 17 Jun 95

**Easting:** 55,259.16

**Northing:** 5,927,707.50

**Database:** 1.000H
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

**Completed Depth (m):**
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No Transmissivity: m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **AEP Data:** Yes Well Field Verified: No

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

* printed on 2/20/98
Well Number: 06695

Well Owner: Zayshley, Marilyn/Darrel
Drilling Contractor: D&D Water Well Drilling & Services

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<td>from (m):</td>
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Water Well Positioned by PFRA in 10TM NAD 27

| Electric Log: No | Transmissivity: m²/day | | |
| Gamma Log: No | Storativity: | | |
| Aquifer Test: No | Project: | Database: 1.000H | |
| AEP Data: Yes | Well Field Verified: No | | |

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 26-052-02 W5M**

**Well Owner:** Birchland Builders  
**Drilling Contractor:** Summers, David Drilling

**General:**
- Type of Work: **New Well**  
- Drilling Method: **Rotary**  
- Well Use: **Domestic**  
- Completed Depth: **54.0 m**  
- NPWL (m): **18.9**  
- Abandonment:
  - **Type:** Plastic  
  - Depth (m): **54.0**  
  - Bottom (m): **54.0**  
  - OD (mm): **127.0**  
  - Thickness (mm): **0.1**  
  - Seal Type: **Bentonite Chips/Tabl**  
  - from (m): **15.2**  
  - to **18.3**

**Liner:**
- Type:  
- OD (mm):  
- Thickness (mm):  
- Top (m):  
- Bottom (m):  
- Perforated How:
  - from (m):  
  - to  
  - Size:  
- from (m):  
  - to  
  - Size:  
- from (m):  
  - to  
  - Size:

**Screen:**
- Material: St  
- OD (mm): **1.5**  
- from (m): **52.4**  
  - to **54.0**  
  - Size: **0.01**  
- from (m): **from**  
  - to  
  - Size:  

**Open Hole:**
- from (m):  
- to  

**Pump:**
- **Type:** Sub  
- Model: Jacuzzi  
- Intake (m): **45.7**  

**Testing:**
- Rate (lpm): **82.1**  
  - Time (minute): **180.0**  
- Level End (m): **45.7**  
  - Drawdown (m): **26.8**  
- Rec’d intake (m): **45.7**  
  - Rec’d Rate (lpm): **45.6**

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium:  
- Nitrate:  
- Strontium:  
- Potassium:  
- Nitrite:  
- Molybdenum:  
- Calcium:  
- TN:  
- Vanadium:  
- Magnesium:  
- TC:  
- Zinc:  
- Carbonate:  
- DIC:  
- Hydroxide:  
- Bicarbonate:  
- Arsenic:  
- Total Hardness:  
- Aluminum:  
- Barium:  
- Manganese:  
- Sulphate:  
- Beryllium:  
- Phosphate:  
- Chloride:  
- Cadmium:  
- Ion Balance:  
- Fluoride:  
- Chromium:  
- Amm. Nitrogen:  
- Iron:  
- Cobalt:  
- Total Phosphate:  
- TOC:  
- Copper:  
- Total Alkalinity:  
- Silica:  
- Lead:  
- Nitrate&Nitrite N:  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06696  
**Elevation (AMSL) (m):** 752  
**AEP:** 377764  
**Licence No.:**  
**Date Started:** 13 Oct 92  
**Easting:** 54,656.79  
**Northing:** 5,928,451.50  
**Date Completed:** 14 Oct 92

**Depth Elevation (BGL) (AMSL)**  
**Lithologic Description**  
9.1 742.7 Clay Brown  
19.8 732.0 Silt  
28.4 723.5 Clay  
33.5 718.3 Silt Blue  
54.0 697.9 Sand

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**Printed on:** 2/20/98
### NE 26-052-02 W5M

**Well Number:** 06697

**Well Owner:** Dunn, Eric

**Drilling Contractor:** Midwest Water Well Ltd.

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<th>Depth</th>
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<td></td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth: 57.0 (m)</td>
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<tr>
<td>NPWL (m): 9.1</td>
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<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<tr>
<td>Type:</td>
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<td>Bottom (m):</td>
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<td>Perforated How:</td>
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<tr>
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<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
<td></td>
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<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>Screen:</td>
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<tr>
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<tr>
<td>from (m): to</td>
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<td>Rec'd Rate (lpm): 22.8</td>
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**Laboratory:**

- **pH** (pH unit)
- **Cond.** (µS/cm)
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminium**
- **Barium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **Lab.:** COD, Mercury, SAR, Nickel, TKN, Selenium, Strontium, Molybdenum, Vanadium, Zinc, Hydroxide, Total Hardness, Manganese, Phosphate, Ion Balance, Amm. Nitrogen, Total Phosphate, Total Alkalinity, Nitrate & Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06697

**Elevation (AMSL) (m):** 752

**AEP:** 369738

**Licence No.:** Easting: 54,634.22

**Date Started:** 07 Jun 93

**Northing:** 5,928,486.00

**Date Completed:** 08 Jun 93

**Water Well Positioned by PFRA in 10TM NAD 27**
**NE 26-052-02 W5M**

**Well Owner:** Verkuyl, Harry  
**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 752  
**AEP:** 377766  
**Licence No.:** Easting: 54,656.79  
**Date Started:** 15 Nov 92  
**Northing:** 5,928,451.50  
**Date Completed:** 15 Nov 92

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<td>(AMSL)</td>
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<tr>
<td>from (m): to Size:</td>
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<td>Rec'd intake (m):</td>
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<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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| | | |
| Electric Log: No | Transmissivity: m³/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: Database: 1.000H | |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number**: 06699  
**Elevation (AMSL) (m)**: 745  
**AEP**: 380754  
**Licence No.**: Easting: 53,928.05  
**Date Started**: 18 Jul 95  
**Date Completed**: 20 Jul 95

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<td><strong>(m)</strong></td>
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<tr>
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<td><strong>Well Use</strong>: Domestic</td>
<td><strong>(m)</strong></td>
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<td><strong>Completed Depth</strong>: 88.1</td>
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<td><strong>Testing</strong>:</td>
<td><strong>Drawdown (m)</strong>: 7.0</td>
</tr>
</tbody>
</table>
| **Rec’d intakes (m)**: 30.5 | **Rate (lpm)**: 63.9 | **Database**: AEP Data: Yes  
**Remarks**: Water Well Positioned by PFRA in 10TM NAD 27  
**Remarks**: Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 m
- **NPWL (m):** 21.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 68.3
- **Bottom (m):** 68.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 68.3

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 67.1
- **Bottom (m):** 85.3
- **Perforated How:** Other
- **from (m):** 76.2
- **to:** 83.8
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

**Open Hole:**
- **from (m):**
- **to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):** 42.7
- **Drawdown (m):** 20.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**  
Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**  
Completed Depth: 74.7 (m)  
NPWL (m): 19.8 Verified NPWL (m):  
Abandonment:  

**Casing:**  
Type: **Steel**  
Depth (m): 60.4 Bottom (m): 60.4  
OD (mm): **114.3** Thickness (mm): **0.1**  
Seal Type: **Driven**  
from (m): to 60.0  

**Liner:**  
Type:  
OD (mm): **88.9** Thickness (mm): **0.1**  
Top (m): 57.9 Bottom (m): 74.7  
Perforated How: **Saw**  
from (m): 67.1 to 73.2 Size:  
from (m): to Size:  
from (m): to Size:  

**Screen:**  
Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size:  

**Open Hole:**  
from (m): to  

**Pump:**  
Model: Intake (m): **54.9**  

**Testing:**  
Rate (lpm): **27.4** Time (minute): **120.0**  
Level End (m): **54.9** Drawdown (m): **35.0**  
Rec’d intake (m): **54.9** Rec’d Rate (lpm): **27.4**  

**Laboratory:**  
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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
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<td>Vanadium</td>
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<td>Magnesium</td>
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<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
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<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.  

**Depth Elevation**  
**Lithologic Description**  

<table>
<thead>
<tr>
<th>Depth of Work (BGL) (AMSL)</th>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>2.7</td>
<td>746.7</td>
<td>Clay</td>
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<tr>
<td>29.3</td>
<td>720.2</td>
<td>Sand</td>
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<tr>
<td>36.6</td>
<td>712.9</td>
<td>Clay</td>
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<td>54.6</td>
<td>694.9</td>
<td>Sand</td>
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<td>56.1</td>
<td>693.4</td>
<td>Gravel</td>
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<td>66.4</td>
<td>683.0</td>
<td>Shale</td>
<td></td>
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<tr>
<td>67.4</td>
<td>682.1</td>
<td>Sandstone</td>
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<td>68.9</td>
<td>680.6</td>
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<td>72.5</td>
<td>676.9</td>
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<td>74.7</td>
<td>674.8</td>
<td>Shale</td>
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**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: **1.000H**  
**AEP Data:** Yes  
Well Field Verified: No  

---

_Elevated (AMSL) (m): **749**  
AEP: **359917**  
Licence No.:  
Date Started: **12 Aug 91**  
Easting: **53,338.88**  
Nothing: **5,928,429.50**  
Date Completed: **13 Aug 91**  

_Osborne, Ray 359917749  
53,338.88  
Westar Water Well Drilling Ltd._

Printed on 2/20/98
**NW 26-052-02 W5M**

**Well Owner:** Osborne, Ray

**Drilling Contractor:** Kap’S Drilling Ltd.

**Elevation (AMSL) (m):** 746

**Licence No.:**

**Date Started:** 23 Apr 93

**Date Completed:** 23 Apr 93

**AEP:** 380511

**Easting:** 53,576.45

**Northing:** 5,928,364.50

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth (m):** 79.2
- **NPWL (m):** 25.0
- **Verif. NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 62.8
- **Bottom (m):** 62.8
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 62.8

### Liner:
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 62.5
- **Bottom (m):** 79.2

### Perforated How:
- **Saw**
- **from (m):** to 79.2
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 39.6

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 14.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Selenium:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

printed on 2/20/98
**Well Number:** 06703  

**Well Owner:** Short, David  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 746  
**AEP:** 366996  
**Licence No.:** Easting: 53,576.45  
**Date Started:** Northing: 5,928,364.50  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 80.8 (m)  
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to 

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** Size:  
- **from (m):** Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Intake (m):  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate & Nitrite N  
  - Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m³/day  

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes Well Field Verified: No

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**Well Number: 06704**

**Well Owner:** Alta Env #1199e

**Drilling Contractor:** Alberta Environment

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<thead>
<tr>
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<th>Depth Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> Test Hole</td>
<td>(m) (m)</td>
<td>93.0 Clay Soft Brownish Yellow</td>
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<tr>
<td><strong>Drilling Method:</strong> Drilled</td>
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<td>11.3 Silt Soft Brownish Yellow</td>
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<tr>
<td><strong>Well Use:</strong> Investigation</td>
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<td>30.5 Silt Lacustrine Dark Gray</td>
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<tr>
<td><strong>Completed Depth:</strong> 93.0 (m)</td>
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<td>46.0 Silt Sandy Dark Gray</td>
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<td><strong>NPWL (m):</strong></td>
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<td>50.3 Siltstone Hard Gray</td>
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<tr>
<td><strong>Verified NPWL (m):</strong></td>
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<td>51.2 Siltstone Very Fine Grained Gr</td>
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<td><strong>Abandonment:</strong></td>
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<td>51.8 Siltstone Hard Brown</td>
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<tr>
<td><strong>Type:</strong></td>
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<td>54.9 Siltstone &amp; Sandstone Hard Gra</td>
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<td>58.8 Siltstone Hard Gray</td>
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<td><strong>Bottom (m):</strong></td>
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<td><strong>OD (mm):</strong></td>
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<td>61.0 Siltstone Hard Gray</td>
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<td><strong>Thickness (mm):</strong></td>
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<td>73.5 Shale &amp; Siltstone Hard Gray</td>
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<td><strong>Seal Type:</strong></td>
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<td>76.8 662.3 Siltstone Very Fine Grained Gr</td>
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<td><strong>from (m):</strong></td>
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<td>82.3 656.9 Siltstone Hard Light Gray</td>
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<td><strong>to (m):</strong></td>
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<td><strong>Casing:</strong></td>
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<td>88.4 650.8 Shale &amp; Sandstone Hard Gray</td>
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<td><strong>Type:</strong></td>
<td></td>
<td>93.0 646.2 Siltstone &amp; Sandstone Fine Gra</td>
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**Screen:**

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<td><strong>OD (mm):</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>to (m):</strong></td>
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<td><strong>Total Phosphate:</strong></td>
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<tr>
<td><strong>Size:</strong></td>
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<td><strong>Open Hole:</strong></td>
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<td><strong>Silica:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>Magnesium:</strong></td>
<td><strong>Lead:</strong></td>
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<td><strong>to (m):</strong></td>
<td><strong>Zinc:</strong></td>
<td><strong>Nitrate &amp; Nitrite N:</strong></td>
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**Pump:**

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<th>Model:</th>
<th>Intake (m):</th>
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<tr>
<td><strong>Rate (lpm):</strong></td>
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<td><strong>Time (minute):</strong></td>
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<td><strong>Level End (m):</strong></td>
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<td><strong>Magnesium:</strong></td>
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<td><strong>Drawdown (m):</strong></td>
<td><strong>SAR:</strong></td>
<td><strong>Total Hardness:</strong></td>
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<td><strong>Rec’d intake (m):</strong></td>
<td><strong>TDS:</strong></td>
<td><strong>Iron:</strong></td>
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<td><strong>Rec’d Rate (lpm):</strong></td>
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**Laboratory:**

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<tr>
<th>pH (pH unit)</th>
<th><strong>Acidity:</strong></th>
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<tr>
<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>Vanadium:</strong></td>
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<td><strong>Hydroxide:</strong></td>
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<td><strong>Fluoride:</strong></td>
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<tr>
<td><strong>TOC:</strong></td>
<td><strong>Total Phosphate:</strong></td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 29-052-02 W5M**  

Well Owner: *Doel, Cliff*  
Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*  

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<th>Description</th>
<th>Details</th>
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<td><strong>06705</strong></td>
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<tr>
<td>Elevation (AMSL) (m)</td>
<td><strong>753</strong></td>
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<td><strong>397677</strong></td>
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<td>Date Started:</td>
<td>15 Oct 93</td>
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<tr>
<td>Northing:</td>
<td>5,926,009.50</td>
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<tr>
<td>Date Completed:</td>
<td>18 Oct 93</td>
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**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 77.7 m  
- **NPWL (m):** 23.5  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 56.4  
- **Bottom (m):** 56.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 56.4  

**Liner:**  
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 54.0  
- **Bottom (m):** 76.8  
- **Perforated How:** Saw  
- **from (m):** to 76.8  
- **Size:**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Open Hole:**  
- **from (m):** to  

**Pump:**  
- **Model:**  
- **Intake (m):**  

**Testing:**  
- **Rec'd Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 33.2  
- **Drawdown (m):** 9.8  
- **Rec'd intake (m):** 33.2  

**Laboratory:**  
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** TKN  Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 118.9m (m)
  - NPWL (m): 18.3m
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
  - **Depth (m):** 87.2
  - **Bottom (m):** 87.2
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to 87.2

**Liner:**
- **Type:**
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
- **Top (m):** 84.4
  - **Bottom (m):** 118.0
- **Perforated How:** Saw
  - **from (m):** to 118.0
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **from (m):** to
  - **Pump:** Sub
    - **Model:** McDonald
    - **Intake (m):** 38.7

**Testing:**
- **Rate (lpm):** 31.9
  - **Time (minute):** 120.0
- **Level End (m):** 25.0
  - **Drawdown (m):** 3.7
- **Rec'd Rate (lpm):** 38.7
  - **Rec'd Intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
  - **COD:**
  - **SAR:**
  - **TKN:**
  - **Nitrate:**
  - **Nitrite:**
  - **Beryllium:**
  - **Barium:**
  - **Manganese:**
  - **Beryllium:**
  - **Vanadium:**
  - **Zinc:**
  - **Dissolved Organic Carbon (DIC):**
  - **Hydroxide:**
  - **Amm. Nitrogen:**
  - **Total Hardness:**
  - **Total Phosphate:**
  - **Total Alkalinity:**
  - **Lead:**
  - **Nitrate:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>16.8</td>
<td>734.7</td>
<td>Clay Silty Yellow</td>
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<tr>
<td>29.3</td>
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<tr>
<td>36.6</td>
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<td>60.4</td>
<td>691.1</td>
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<td>86.9</td>
<td>664.6</td>
<td>Sand</td>
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<td>118.9</td>
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**Electric Log:** No **Transmissivity:** m³/day **Gamma Log:** No **Storativity:** **Aquifer Test:** No **TOC:** Copper **Total Alkalinity:** **Silica:** Lead **Nitrate & Nitrite N**

**AEP Data:** Yes **Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Abandonment:**
- **Completed Depth:** 45.7 m
- **NPWL (m):** 10.4
- **Verified NPWL (m):**
- **Date Started:** 19 Oct 93
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<td>7.0</td>
<td>720.8</td>
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</tr>
<tr>
<td>45.7</td>
<td>682.1</td>
<td>Shale Sandy Gray</td>
</tr>
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</table>

**Casing:**
- **Type:** Plastic
- **Depth (m):** 34.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **Bottom (m):** 34.1
- **from (m):** to 34.1

**Liner:**
- **Type:** Plastic
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 31.7
- **Bottom (m):** 44.8

**Screen:**
- **Material:** Plastic
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 6.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 63.9

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrates:**
- **Potassium:**
- **Nitrite:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Aluminum:**
- **Barium:**
- **Magnesium:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic

### Completed Depth:
- 26.5 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

- Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **NO**

### Well Field Verified:
- **No**

### Project:
- **Database:** 1.000H

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 30-052-02 W5M**

**Well Number:** 06709

**Well Owner:** Kuntz, Darrell

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 727

**AEP:** 396790

**Licence No.:**

**Easting:** 47,090.92

**Date Started:** 29 Sep 93

**Northings:** 5,926,096.50

**Date Completed:** 30 Sep 93

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 2.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casings:

- **Type:** Plastic
- **Depth (m):** 25.0
- **Bottom (m):** 25.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 25.0

### Liner:

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 22.6
- **Bottom (m):** 35.7
- **Perforated How:** Saw
- **from (m):** to 35.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 95.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 95.8

### Laboratory:

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<td>TKN</td>
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<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

### Electric Log:

- **No**

### Gamma Log:

- **No**

### Aquifer Test:

- **No**

### Project:

- **Database:** 1.000H

### Remarks:

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
NW 30-052-02 W5M

Well Owner: Paul, Kenneth
Drilling Contractor: Unknown Driller

Well Number: 06710

Elevation (AMSL) (m): 720
AEP: 367899
Licence No.: 553
Date Started: 46,653.11
Date Completed: 5,928,169.00

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 57.9 (m)
NPWL (m): Verified NPWL (m): 
Abandonment:

Casing:
Type: Depth (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type: OD (mm):
Top (m):
from (m): Bottom (m):

Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

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<th>Chemical Constituents</th>
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<td>Cond. (µS/cm)</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Transmissivity: m²/day
Storativity:
Aquifer Test:
Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27
**SW 30-052-02 W5M**

**Well Owner:** Scott, Donna  
**Drilling Contractor:** Unknown Driller

**Well Number:** 06711  
**Elevation (AMSL) (m):** 739  
**AEP:** 368631  
**Date Started:**  
**Date Completed:**

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 15.2 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):**  
- **OD (mm):**  
- **Seal Type:**  
- **from (m):**  
- **to:**

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):**  
- **to:**  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**

**Open Hole:**
- **from (m):**  
- **to:**

**Pump:**
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Barium:**  
- **Nitrate:**  
- **Nitrites:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:**  
- **Chromium:**  
- **Iron:**  
- **Total Iron:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

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<thead>
<tr>
<th>Electric Log</th>
<th>Transmissivity</th>
<th>Gamma Log</th>
<th>Storativity</th>
<th>Aquifer Test</th>
<th>Project</th>
<th>Database</th>
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<td>Storativity</td>
<td>No</td>
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AEP Data: Yes  
Well Field Verified: No

 printed on 2/20/98
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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>Well Owner: Rec. Parks &amp; Wildlife</td>
<td>(m)</td>
<td>(m)</td>
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<td>Drilling Contractor: Hirate Drilling 1985 Ltd.</td>
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<td>Well Number: 06712</td>
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<td>Bottom (m):</td>
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<tr>
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<td>Intake (m):</td>
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<td>Barium</td>
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<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
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| Remarks: | Chemical Constituents are in mg/l (ppm). Except as noted. |

Water Well Positioned by PFRA in 10TM NAD 27
**SE 31-052-02 W5M**

**Well Owner:** Erickson, Richard  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<th>Depth Elevation</th>
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<td>5.5</td>
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<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth: 58.2</td>
<td>34.1</td>
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<tr>
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<td>38.4</td>
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<td>from (m): to</td>
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<tr>
<td>Screen</td>
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<tr>
<td>Material:</td>
<td>Size:</td>
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<tr>
<td>OD (mm):</td>
<td>from (m): to</td>
</tr>
<tr>
<td>from (m): to</td>
<td>from (m): to</td>
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<td>from (m): to</td>
</tr>
<tr>
<td>Pump:</td>
<td>from (m): to</td>
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<td>Level (m): 33.8</td>
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<td>Rec'd intake (m): 12.2</td>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |
| | | |
| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
Well Number: SE 31-052-02 W5M
Well Owner: Maiko, Alex
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 735
AEP: 360257
Licence No.: 47,883.77
Date Started: 22 Aug 91
Nothing: 5,929,088.50
Date Completed: 23 Aug 91

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<tr>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: |
| Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06715

**Well Owner:** Schulthies, Gord

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**NPWL (m):** 7.9

**Completed Depth:** 69.8 (m)

**Elevation**: 726

**Elevation (AMSL) (m):**
- **Licence No.:** 406037
- **Date Started:** 14 Dec 94
- **Drilling Contractor:** Northing: 5,929,286.00
- **Date Completed:** 15 Dec 94

**Abandonment:**
- **Type:** Plastic

**Depth (m):** 47.2  
**Bottom (m):** 47.2

**OD (mm):** 152.4  
**Thickness (mm):** 0.1

**Seal Type:** Formation Seal
- **from (m):** to 47.2

**Liner:**
- **Type:** Plastic

**OD (mm):** 127.0  
**Thickness (mm):** 0.1

**Top (m):** 45.7  
**Bottom (m):** 68.9

**Perforated How:** Saw
- **from (m):** to 68.9

**Screen:**
- **Material:** Plastic

**OD (mm):**
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to Size:

**Pump:** Sub
- **Model:** Jacuzzi 13st

**Intake (m):** 42.7

**Testing:**
- **Rate (lpm):** 16.0  
**Time (minute):** 120.0

**Level End (m):** 38.1  
**Drawdown (m):** 30.2

**Rec'd Rate (lpm):** 42.7  
**Rec'd intake (m):** 13.7

**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 06716**

**Well Owner:** Albers, Stan  
**Drilling Contractor:** Unknown Driller

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 67.1 m  
- **NPWL (m):** 49.300.83  
- **Verified NPWL (m):** 5,929,569.50  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:** from (m): to Size:  

### Open Hole:
- **Model:**  
- **Intake (m):**  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate (DIC):**  
- **Bicarbonate:**  
- **Barium:**  
- **Aluminium:**  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TKN:** Strontium  
- **Nitrate:** Molybdenum  
- **TN:** Vanadium  
- **TC:** Zinc  
- **DIC:** Hydroxide  
- **Bicarbonate:**  
- **Barium:** Manganese  
- **Aluminium:**  
- **Sulphate:** Phosphate  
- **Chloride:** Ion Balance  
- **Fluoride:** Amm. Nitrogen  
- **Iron:** Total Phosphate  
- **TOC:** Total Alkalinity  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**
- **Elevation (AMSL) (m):**
  - **(m):**
  - **(m):**
  - **(m):**

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **Thickness (mm):**

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole:
- **From (m):**
- **To:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (μS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation (BGL) (AMSL) (m)

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(No Lithologic Information Available)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No

**Remarks:**
*Water Well Positioned by PFRA in 10TM NAD 27*

*Printed on 2/20/98*
**Well Number 06718**

**SW 32-052-02 W5M**

- **Well Owner:** Gray, Ron
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 727  
**AEP:** 396796  
**Date Started:** 23 Jun 94  
**Date Completed:** 24 Jun 94

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 46.9 (m)  
**NPWL (m):** 9.8  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 28.7  
**Bottom (m):** 28.7  
**OD (mm):** 152.4  
**Thickess (mm):** 0.1

**Seal Type:** Formation Seal  
**from (m):** to 28.7

**Liner:**
- **Type:** Plastic
- **OD (mm):** 127.0  
**Thickness (mm):** 0.1  
**Top (m):** 27.1  
**Bottom (m):** 46.0

**Perforated How:** Saw  
**from (m):** to 28.7  
**Size:**

**Screen:**
- **Material:** Plastic
- **OD (mm):**
  - from (m): to 28.7
  - from (m): to 28.7

**Open Hole:**
- **from (m):** to

**Pump:** Sub  
**Model:** Jacuzzi  
**Intake (m):** 25.0

**Testing:**
- **Rate (lpm):** 22.8  
**Time (minute):** 120.0

**Level End (m):** 22.9  
**Drawdown (m):** 13.1  
**Rec'd Rate (lpm):** 22.8  
**Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Sulfur:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Barium:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Vanadium:**
- **Strontium:**
- **Strontium:**
- **Vanadium:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate:**
- **Nitrates & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number: 06719

Well Owner: Appleby, Frank
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 750
Licence No.: 396801
Date Started: 20 Oct 93
Easting: 50,984.35
Date Completed: 22 Oct 93
Northing: 5,929,854.00

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 88.1 (m)
- **NPWL (m):** 31.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 75.3
- **Bottom (m):** 75.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 75.3

**Liner:**

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 73.2
- **Bottom (m):** 87.2
- **Perforated How:** Saw
- **from (m):** 73.2 to 87.2

**Screen:**

- **Material:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Time (minute):** 120.0
- **Rate (lpm):** 22.8
- **Level End (m):** 18.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

- **COD**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR**
- **TDS**
- **TKN**
- **Sodium**
- **Nitrate**
- **Strontium**
- **Potassium**
- **Nitrite**
- **Molybdenum**
- **Calcium**
- **TN**
- **Vanadium**
- **Magnesium**
- **TC**
- **Zinc**
- **Carbonate**
- **DIC**
- **Hydroxide**
- **Bicarbonate**
- **Arsenic**
- **Total Hardness**
- **Aluminium**
- **Barium**
- **Manganese**
- **Sulphate**
- **Beryllium**
- **Phosphate**
- **Chloride**
- **Cadmium**
- **Ion Balance**
- **Fluoride**
- **Chromium**
- **Amm. Nitrogen**
- **Iron**
- **Cobalt**
- **Total Phosphate**
- **TOC**
- **Copper**
- **Total Alkalinity**
- **Silica**
- **Lead**
- **Nitrate&Nitrite N**
- **Open Hole:**
- **Model:**
- **Intake (m):**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 33-052-02 W5M**

**Well Owner:** Bell, Jack  
Drilling Contractor: Cobob Pumps And Services Ltd.

---

**General:**  
Type of Work: New Well  
Drilling Method: Not Applicable  
Well Use: Domestic  

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Verified NPWL (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>106.7 (m)</td>
<td>29.6</td>
<td></td>
</tr>
</tbody>
</table>

Abandonment:

**Casing:**  
Type: Plastic  
Depth (m): 67.1  
Bottom (m): 67.1  
OD (mm): 152.4  
 Thickness (mm): 0.1  
Seal Type: Shale Trap & Bentoni  
from (m): 64.3  
to 65.8

**Liner:**  
Type:  
OD (mm): 114.3  
Thickness (mm): 0.1  
Top (m): 64.0  
Bottom (m): 106.7

Perforated How: Saw  
from (m): 79.2  
to 103.6  
Size:  
from (m):  
to  
Size:  
from (m):  
to  
Size:

**Screen:**  
Material:  
OD (mm):  
from (m):  
to  
Size:  
from (m):  
to  
Size:  
from (m):  
to  
Size:

**Open Hole:**  
from (m):  
to  

| Pump: Sub  
Model: Gould 7g07422  
Intake (m): 61.0

**Testing:**  
Rate (lpm): 31.9  
Time (minute): 420.0  
Level End (m): 61.0  
Drawdown (m): 31.4  
Rec'd intake (m): 61.0  
Rec'd Rate (lpm): 22.8

---

**Laboratory:**  
- pH (pH unit)  
- COD  
- Mercury  
- SAR  
- Nickel  
- TDS  
- TKN  
- Selenium  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminium  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
- Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- Silica  
- Lead  
- Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**  
(BGL) (AMSL)  
(m)  
(m)  
Lithologic Description  
17.1 726.3 Clay Brown  
36.0 707.5 Clay Gray  
59.7 683.7 Sand & Coal Gray  
62.5 680.9 Sandstone  
63.4 680.0 Shale Gray  
64.6 678.8 Shale Green  
65.8 677.6 Sandstone  
68.3 675.1 Shale Green  
70.4 673.0 Sandstone  
71.6 671.8 Shale Green  
72.8 670.6 Sandstone  
74.1 669.4 Shale Green  
76.5 666.9 Sandstone  
80.5 663.0 Shale Green  
83.2 660.2 Sandstone  
85.6 657.8 Shale Green  
87.5 655.9 Sandstone  
88.7 654.7 Shale Green  
90.5 652.9 Sandstone  
92.7 650.8 Shale Green  
94.8 648.6 Sandstone  
100.0 643.4 Shale Green  
103.9 639.5 Sandstone  
106.7 636.7 Shale Green

**Electric Log:** No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No

---

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 27.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 63.4
- **Bottom (m):** 63.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Welded
- **from (m):** to 63.4

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 61.0
- **Bottom (m):** 73.2
- **Perforated How:** Other
- **from (m):** to 73.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
- **Model:**
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 180.0
- **Level End (m):** 48.8
- **Drawdown (m):** 21.0
- **Rec’d intake (m):** 54.9
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 06722  
**Well Owner:** Keppler, Doug/Darlene  
**Drilling Contractor:** D&D Water Well Drilling & Services  

**Elevation (AMSL) (m):** 746  
**Licence No.:** 404859  
**Date Started:** 14 Oct 94  
**Date Completed:** 14 Oct 94  
**Easting:** 50,993.69  
**Northing:** 5,930,051.50

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **NPWL (m):** 7.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 59.4  
  **Bottom (m):** 59.4
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
  - **from (m):** to 59.4

### Liner:
- **Type:**
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 57.9  
  **Bottom (m):** 76.2
- **Perforated How:** Saw
  - **from (m):** 64.9  
    **to:** 75.6
  - **Size:**
  - **from (m):** to  
    **Size:**
  - **from (m):** to  
    **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to  
    **Size:**
  - **from (m):** to  
    **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 76.2

### Testing:
- **Rate (lpm):** 104.9
- **Time (minute):** 120.0
- **Level End (m):** 48.2
- **Drawdown (m):** 41.2
- **Rec'd intake (m):** 32.0
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

<table>
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<tr>
<th>Chemical Constituent</th>
<th>Unit</th>
<th>Unit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Carbonate</td>
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<td>Hydroxide</td>
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<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Manganese</td>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### AEP Data:
- Yes

### Well Field Verified:
- No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

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*printed on 2/20/98*
NE 33-052-02 W5M

Well Owner: Leach, Rob
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 746
AEP: 356893
Licence No.: 50,993.69
Date Started: 
Easting: 5,930,051.50
Date Completed: 
Northing: 

General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth 73.2 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to 
from (m): to 
from (m): to 

Screen:
Material:
OD (mm):
from (m): to 
from (m): to 
from (m): to 

Open Hole:
from (m): to 

Pump:
Model: Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 81.7 m
- **NPWL (m):** 24.7 m
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 65.2
- **Bottom (m):** 65.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 65.2

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 63.4
- **Bottom (m):** 81.7
- **Perforated How:** Saw
- **from (m):** 69.5 to 80.5
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 80.8
- **Testing:**
  - **Rate (lpm):** 54.7
  - **Time (minute):** 120.0
  - **Level End (m):** 68.6
  - **Drawdown (m):** 43.9
  - **Rec'd intake (m):** 57.0
  - **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Barium:**
- **Manganese:**
- **Aluminum:**
- **Selenium:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Phosphate:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Iron:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Database:** 1.000H
- **Project:**

### AEP Data:
- **Well Field Verified:** No

### Remarks:
*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
# NE 33-052-02 W5M

**Well Number:** 06725  
**Well Owner:** Pauley, Rosemary  
**Drilling Contractor:** Double R Drig  
**Elevation (AMSL) (m):** 746  
**AEP:** 371128  
**Date Started:** 07 Oct 93  
**Date Completed:** 07 Oct 93  
**Licence No.:** Easting: 50,993.69  
**Northing:** 5,930,051.50

## General
- **Type of Work:** Old Well-Test  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 76.2 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Casing:**  
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:**  
  - from (m): to  
- **Liner:**  
  - **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:**  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  
- **Screen:**  
  - **Material:**  
  - **OD (mm):** from (m): to Size:  
  - from (m): to Size:  
- **Open Hole:**  
  - from (m): to  
- **Pump:**  
  - **Model:**  
  - **Intake (m):**  
- **Testing:**  
  - **Rate (lpm):**  
  - **Time (minute):**  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

## Laboratory
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  

## Electric Log
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

---

**printed on:** 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 112.8 m
- **NPWL:** 57.9 m
- **Abandonment:**

## Casing:

- **Type:** Plastic
- **Depth:** 105.5 m
- **Bottom Depth:** 105.5 m
- **OD (mm):** 152.4 mm
- **Thickness (mm):** 0.1 mm
- **Seal Type:** Shale Trap & Bentonite
- **From:** to 104.9 m

## Liner:

- **Type:**
- **OD (mm):** 114.3 mm
- **Thickness (mm):** 0.0 mm
- **Top Depth:** 103.6 m
- **Bottom Depth:** 112.8 m
- **Perforated How:** Saw
- **From:** to 111.3 m

## Screen:

- **Material:**
- **OD (mm):**
- **From:** to
- **Thickness:**

## Open Hole:

- **From:**

## Pump:

- **Model:** Gould 7g07
- **Intake:** 81.7 lpm

## Testing:

- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End:** 85.3 m
- **Drawdown:** 27.4 m
- **Rec'd Rate:** 81.7 lpm
- **Rec'd Intake:** 45.6 lpm

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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 m
- **NPWL (m):** 14.6
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:

- **Type:** Plastic
- **Depth (m):** 62.2
- **Bottom (m):** 62.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 61.8 to 62.2

## Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 76.2
- **Perforated How:** Other
- **from (m):** 62.5 to 76.2
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

## Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

## Open Hole:

- **from (m):**

## Pump:

- **Model:** 7g05422
- **Intake (m):** 51.8

## Testing:

- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 9.8
- **Rec’d intake (m):** 51.8
- **Rec’d Rate (lpm):** 45.6

## Laboratory:

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## Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number: 06728**

- **Elevation (AMSL) (m):** 747
- **AEP:** 357990
- **licence No.:**
- **Date Started:** 09 May 91
- **Easting:** 52,579.12
- **Nording:** 5,929,090.50
- **Date Completed:** 13 May 91

---

**Depth**

- **Elevation (BGL) (m):**
- **Lithologic Description:**
  - 3.7 743.3 Topsoil
  - 6.1 740.9 Clay Sandy Gray
  - 14.9 732.1 Silt Gray
  - 15.5 731.4 Silt Brown
  - 29.9 717.1 Silt Sandy Gray
  - 31.4 715.6 Sand & Coal
  - 60.0 686.9 Silt
  - 60.7 686.3 Till Clayey Gray
  - 62.5 684.5 Shale Gray
  - 64.0 683.0 Sandstone Greenish Gray
  - 67.4 679.6 Sandstone Fine Grained Gray
  - 73.5 673.5 Shale Gray
  - 73.8 673.2 Sandstone Gray
  - 75.0 672.0 Shale Gray
  - 75.9 671.1 Sandstone Gray
  - 76.2 670.8 Shale

---

**Testing:**

- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 9.8
- **Rec’d intake (m):** 51.8
- **Rec’d Rate (lpm):** 45.6

**Database:** Project: 1.000H

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on 2/20/98**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 70.4 m (m)
- **NPWL (m):** 18.3
- **Veriﬁed NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 59.4
- **Bottom (m):** 59.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
- **from (m):** to 59.4

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 70.4
- **Perforated How:** Saw
- **from (m):** 62.8 to 69.5
- **Size:**
- **from (m):** 62.8 to 69.5
- **Size:**
- **from (m):** 62.8 to 69.5

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to 62.8
- **Size:**
- **from (m):** to 62.8
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 51.8

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):** 52.1
- **Drawdown (m):** 33.8
- **Rec'd intake (m):** 51.8
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Nitrite:**
- **Selenium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NE 35-052-02 W5M**

Well Owner: **Beresowsky**  
Drilling Contractor: **Unknown Driller**

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### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 76.2 m  
- **NPWL (m):** 54,361.44  
- **Verified NPWL (m):** Unknown  
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Screen:**
  - **Material:** from (m): to Size:  
  - **OD (mm):** Thickness (mm):  
- **Open Hole:** from (m): to  
- **Pump:**
  - **Model:** Intake (m):  
  - **Rate (lpm):** Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **m³/day:** No  
- **Transmissivity:**  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27  

(printed on 2/20/98)
**NE 35-052-02 W5M**

Well Owner: **Mccormack, John**
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

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| Open Hole: | Pump: |
| --- | Model: |
| from (m): | Intake (m): |
| to | |

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<td></td>
</tr>
<tr>
<td>Hydroxide</td>
<td></td>
</tr>
<tr>
<td>Bicarbonate</td>
<td></td>
</tr>
<tr>
<td>Arsenic</td>
<td></td>
</tr>
<tr>
<td>Total Hardness</td>
<td></td>
</tr>
<tr>
<td>Aluminium</td>
<td></td>
</tr>
<tr>
<td>Barium</td>
<td></td>
</tr>
<tr>
<td>Manganese</td>
<td></td>
</tr>
<tr>
<td>Sulphate</td>
<td></td>
</tr>
<tr>
<td>Beryllium</td>
<td></td>
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<tr>
<td>Phosphate</td>
<td></td>
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<tr>
<td>Chloride</td>
<td></td>
</tr>
<tr>
<td>Cadmium</td>
<td></td>
</tr>
<tr>
<td>Ion Balance</td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
</tr>
<tr>
<td>Chromium</td>
<td></td>
</tr>
<tr>
<td>Amm. Nitrogen</td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td></td>
</tr>
<tr>
<td>Cobalt</td>
<td></td>
</tr>
<tr>
<td>Total Phosphate</td>
<td></td>
</tr>
<tr>
<td>TOC</td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td></td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 35-052-02 W5M**

**Well Number: 06732**

**Well Owner:** Pitre, Russ  
**Drilling Contractor:** Kap’S Drilling Ltd.

**Elevation (AMSL) (m):** 757  
**AEP:** 406708

**Licence No.:**  
**Easting:** 54,523.50  
**Northing:** 5,929,765.00

**Date Started:** 04 Mar 95  
**Date Completed:** 05 Mar 95

---

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 59.1 (m)  
- **NPWL (m):** 21.3  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 57.6  
- **Bottom (m):** 57.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Cuttings  
- **from (m):** 51.5  
- **to:** 55.8  

### Casing:

- **Type:** Plastic  
- **Depth (m):** 57.6  
- **Bottom (m):** 57.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Cuttings  
- **from (m):** 51.5  
- **to:** 55.8  

### Liner:

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):**  
- **to:**  
- **Size:**

### Screen:

- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 57.6  
- **to:** 58.8  
- **Size:** 0.01

### Open Hole:

- **from (m):**

### Pump:

- **Model:**  
- **Intake (m):** 42.7

### Testing:

- **Rate (lpm):** 27.4  
- **Time (minute):** 120.0  
- **Level End (m):** 21.3  
- **Rec’d Rate (lpm):** 27.4  
- **Rec’d intake (m):**

### Laboratory:

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Concentration (mg/l)</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
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</table>
| Chemical Constituents are in mg/l (ppm). Except as noted.  

### Electric Log:

<table>
<thead>
<tr>
<th>Electric Log</th>
<th>Transmissivity</th>
<th>Project</th>
</tr>
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<tbody>
<tr>
<td>No</td>
<td>m²/day</td>
<td>1.000H</td>
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### Gamma Log:

<table>
<thead>
<tr>
<th>Gamma Log</th>
<th>Storativity</th>
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<tbody>
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### Aquifer Test:

<table>
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<tr>
<th>Aquifer Test</th>
<th>TOC (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

### Water Well Positioned by PFRA in 10TM NAD 27

*Remarks:*  
*Chemical Constituents* are in mg/l (ppm). *Except as noted.*
**General:**

<table>
<thead>
<tr>
<th>Well Number: <strong>06733</strong></th>
<th>Well Owner: <strong>Tovey, John</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Contractor: <strong>Mcginn, Gerald Drilling Ltd.</strong></td>
<td><strong>Elevation (AMSL) (m):</strong> <strong>757</strong></td>
</tr>
<tr>
<td><strong>Licence No.:</strong> Easting: <strong>54,185.76</strong></td>
<td><strong>Date Started:</strong> <strong>01 Jun 95</strong></td>
</tr>
<tr>
<td><strong>Date Completed:</strong> <strong>02 Jun 95</strong></td>
<td><strong>AEP: 381073</strong></td>
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**Casting:**

<table>
<thead>
<tr>
<th>Type of Work: <strong>New Well</strong></th>
<th><strong>Depth:</strong> <strong>96.0</strong> (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Drilling Method:</strong> <strong>Rotary</strong></td>
<td><strong>NPWL (m):</strong> <strong>22.9</strong></td>
</tr>
<tr>
<td><strong>Well Use:</strong> <strong>Domestic</strong></td>
<td><strong>Verified NPWL (m):</strong></td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> <strong>96.0</strong> (m)</td>
<td><strong>Abandonment:</strong></td>
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</tbody>
</table>

**Casing:**

<table>
<thead>
<tr>
<th><strong>Type:</strong> Plastic</th>
<th><strong>Depth (m):</strong> <strong>80.2</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OD (mm):</strong> <strong>168.2</strong></td>
<td><strong>Thickness (mm):</strong> <strong>0.1</strong></td>
</tr>
</tbody>
</table>

**Seal Type:** Formation Seal

**Liner:**

<table>
<thead>
<tr>
<th>Type: Plastic</th>
<th><strong>OD (mm):</strong> <strong>127.0</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>** Thickness (mm):** <strong>0.1</strong></td>
<td><strong>Top (m):</strong> <strong>77.7</strong></td>
</tr>
<tr>
<td><strong>Bottom (m):</strong> <strong>95.1</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Seal Type:** Saw

**Screen:**

<table>
<thead>
<tr>
<th><strong>Material:</strong> Plastic</th>
<th><strong>OD (mm):</strong> <strong>127.0</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thickness (mm):</strong> <strong>0.1</strong></td>
<td><strong>Top (m):</strong> <strong>77.7</strong></td>
</tr>
<tr>
<td><strong>Bottom (m):</strong> <strong>95.1</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Perforated How:** Saw

**Open Hole:**

<table>
<thead>
<tr>
<th><strong>Model:</strong> Jacuzzi S4513p</th>
<th><strong>Intake (m):</strong> <strong>51.8</strong></th>
</tr>
</thead>
</table>

**Pump:** Sub

<table>
<thead>
<tr>
<th><strong>Model:</strong> Jacuzzi S4513p</th>
<th><strong>Intake (m):</strong> <strong>51.8</strong></th>
</tr>
</thead>
</table>

**Testing:**

<table>
<thead>
<tr>
<th><strong>Rate (lpm):</strong> <strong>31.9</strong></th>
<th><strong>Time (minute):</strong> <strong>120.0</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Level End (m):</strong> <strong>48.2</strong></td>
<td><strong>Drawdown (m):</strong> <strong>23.8</strong></td>
</tr>
<tr>
<td><strong>Rec'd intake (m):</strong> <strong>51.8</strong></td>
<td><strong>Rec'd Rate (lpm):</strong> <strong>31.9</strong></td>
</tr>
</tbody>
</table>

**Laboratory:**

<table>
<thead>
<tr>
<th><strong>pH (pH unit):</strong></th>
<th><strong>COD:</strong></th>
<th><strong>Nickel:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cond. (µS/cm):</strong></td>
<td><strong>SAR:</strong></td>
<td><strong>Selenium:</strong></td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
<td><strong>TKN:</strong></td>
<td><strong>Strontium:</strong></td>
</tr>
<tr>
<td><strong>Sodium:</strong></td>
<td><strong>Nitrate:</strong></td>
<td><strong>Selenium:</strong></td>
</tr>
<tr>
<td><strong>Potassium:</strong></td>
<td><strong>Nitrite:</strong></td>
<td><strong>Molybdenum:</strong></td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
<td><strong>TN:</strong></td>
<td><strong>Vanadium:</strong></td>
</tr>
<tr>
<td><strong>Magnesium:</strong></td>
<td><strong>TC:</strong></td>
<td><strong>Zinc:</strong></td>
</tr>
<tr>
<td><strong>Carbonate:</strong></td>
<td><strong>DIC:</strong></td>
<td><strong>Hydroxide:</strong></td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
<td><strong>Arsenic:</strong></td>
<td><strong>Total Hardness:</strong></td>
</tr>
<tr>
<td><strong>Aluminum:</strong></td>
<td><strong>Barium:</strong></td>
<td><strong>Manganese:</strong></td>
</tr>
<tr>
<td><strong>Silicate:</strong></td>
<td><strong>Beryllium:</strong></td>
<td><strong>Phosphate:</strong></td>
</tr>
<tr>
<td><strong>Chloride:</strong></td>
<td><strong>Cadmium:</strong></td>
<td><strong>Ion Balance:</strong></td>
</tr>
<tr>
<td><strong>Fluoride:</strong></td>
<td><strong>Chromium:</strong></td>
<td><strong>Amm. Nitrogen:</strong></td>
</tr>
<tr>
<td><strong>Iron:</strong></td>
<td><strong>Cobalt:</strong></td>
<td><strong>Total Phosphate:</strong></td>
</tr>
<tr>
<td><strong>TOC:</strong></td>
<td><strong>Copper:</strong></td>
<td><strong>Total Alkalinity:</strong></td>
</tr>
<tr>
<td><strong>Silica:</strong></td>
<td><strong>Lead:</strong></td>
<td><strong>Nitrate&amp;Nitrite N</strong></td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Printed on 2/20/98**
### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Strontium:**  
- **Sodium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Potassium:**  
- **TN:**  
- **TC:**  
- **DIC:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Barium:**  
- **Beryllium:**  
- **Cadmium:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Lead:**  
- **Nitrates:**  
- **Nitrites:**  
- **Sulphates:**  
- **Chlorides:**  
- **Amm. Nitrogen:**  
- **Total Hardness:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Lead:**  
- **Nitrate:**  
- **Nitrite:**  

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: **1.000H**

### AEP Data:
- **Well Field Verified:** No

### Remarks:
*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by PFRA in 10TM NAD 27**
SE 35-052-02 W5M

Well Owner: Cameron, Darryl
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 747
Licence No.: Easting: 54291.85
Date Started: 14 Jan 94
Northing: 5928941.00
Date Completed: 14 Jan 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 85.3 (m)
NPWL (m): 22.9 Verified NPWL (m): Abandonment:

Casing:
Type: Steel
Depth (m): 68.3 Bottom (m): 68.3
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven from (m): 66.8 to 68.3

Liner:
Type: OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 64.0 Bottom (m): 85.3
Perforated How: Hand Drill
from (m): 72.8 to 83.8 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 30.5

Testing:
Rate (lpm): 114.0 Time (minute): 120.0
Level End (m): 30.5 Drawdown (m): 7.6
Rec’d intake (m): 30.5 Rec’d Rate (lpm): 45.6

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 35-052-02 W5M**

**Well Number 06736**

- **Well Owner:** Cornelius, R
- **Drilling Contractor:** Cobob Pumps And Services Ltd.
- **Elevation (AMSL) (m):** 752
- **AEP:** 352029
- **Licence No.:**
- **Date Started:** 08 May 90
- **Date Completed:** 10 May 90
- **Easting:** 54,296.64
- **Northing:** 5,929,140.00

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 18.0
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 168.2
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 24.4

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1,2
- **from (m):** 65.5 to 67.1 
- **Size:** 0.12
- **from (m):** 
- **Size:**

**Open Hole:**
- **from (m):** 

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 16.0
- **Time (minute):** 180.0
- **Level End (m):** 63.7
- **Drawdown (m):** 45.7
- **Rec'd intake (m):** 63.4
- **Rec'd Rate (lpm):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Barium:** Manganese
- **Alumimum:** Sulphate
- **Beryllium:** Phosphate
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.6</td>
<td>747.8</td>
<td>Sand</td>
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<tr>
<td>36.3</td>
<td>716.1</td>
<td>Clay</td>
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<td>39.3</td>
<td>713.0</td>
<td>Sand</td>
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<tr>
<td>42.1</td>
<td>710.3</td>
<td>Coal</td>
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<tr>
<td>64.0</td>
<td>688.3</td>
<td>Sand</td>
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<tr>
<td>65.5</td>
<td>686.8</td>
<td>Coal</td>
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<td>Sand</td>
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<tr>
<td>67.1</td>
<td>685.3</td>
<td>Coal</td>
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</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

printed on 2/20/98
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 97.5 (m)
NPWL (m): 24.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 81.4 Bottom (m): 81.4
OD (mm): 114.3 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 81.4

Liner:
Type:
OD (mm): 76.2 Thickness (mm): 0.2
Top (m): 79.8 Bottom (m): 97.5

Perforated How: Machine
from (m): 97.5 to 79.8 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 67.1

Testing:
Rate (lpm): 36.5 Time (minute): 180.0
Level End (m): 45.7 Drawdown (m): 21.3
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 35-052-02 W5M**

**Well Owner:** Shanks, Les

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 753

**AEP:** 399315

** Licence No.:** Easting: 54,708.61

**Date Started:** 30 Apr 94

**Northing:** 5,928,872.50

**Date Completed:** 02 May 94

**Well Number:** 06738

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 m
- **NPWL (m):** 21.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 79.6
- **Bottom (m):** 79.6
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 73.2
- **to:** 79.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 76.2
- **Bottom (m):** 85.3
- **Perforated How:** Hand Drill
- **from (m):** 79.8
- **to:** 85.3
- **Size:**
- **from (m):** to
- **to:** Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 36.6

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 8.5
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 68.4

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Perforated How:
- **Cadmium:**
- **Beryllium:**
- **Phosphate:**
- **Iron:**
- **Cobalt:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

### Lithologic Description:

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (AMSL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.2</td>
<td>744.7</td>
<td>Till Brownish Yellow</td>
</tr>
<tr>
<td>22.3</td>
<td>730.7</td>
<td>Sand Fine Grained Brown</td>
</tr>
<tr>
<td>23.5</td>
<td>729.5</td>
<td>Clay Soft Blue</td>
</tr>
<tr>
<td>34.8</td>
<td>718.2</td>
<td>Sand Fine Grained Gray</td>
</tr>
<tr>
<td>36.0</td>
<td>717.0</td>
<td>Clay Soft Blue</td>
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<td>46.6</td>
<td>706.3</td>
<td>Sand Fine Grained Gray</td>
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<td>48.5</td>
<td>704.5</td>
<td>Clay Blue</td>
</tr>
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<td>66.1</td>
<td>686.8</td>
<td>Sand &amp; Coal Gray</td>
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<td>70.4</td>
<td>682.5</td>
<td>Clay Blue</td>
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<tr>
<td>77.7</td>
<td>675.2</td>
<td>Shale Gray</td>
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<td>82.6</td>
<td>670.3</td>
<td>Shale Green</td>
</tr>
<tr>
<td>85.3</td>
<td>667.6</td>
<td>Sandstone Medium Grained</td>
</tr>
</tbody>
</table>

### Transmissivity:
- m²/day

### Storativity:
- Cobalt Total Alkalinity

### Database:
- Project: 1.000H

### Well Field Verified:
- Yes
Well Number: 06739

SE 35-052-02 W5M

Well Owner: Sproule, Richard
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 753
AEP: 396802
Licence No.: Easting: 54,287.05
Date Started: 10 Sep 94 Northing: 5,929,210.50
Date Completed: 11 Sep 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic

Completed Depth: 80.5 (m)
NPWL (m): 17.4
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 64.6 Bottom (m): 64.6
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): to 64.6

Liner:
Type: Shale Trap & Bentonite
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 63.1 Bottom (m): 80.5

Perforated How: Saw
from (m): 68.0 to 80.5 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 80.5

Testing:
Rate (lpm): 36.5
Time (minute): 120.0
Level End (m): 69.8 Drawdown (m): 52.4
Rec'd intake (m): 61.0 Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 70.7
- **Bottom (m):** 70.7
- **OD (mm):** 141.2
- **Thickness (mm):** 0.2
- **Seal Type:** Driven

### Liner:
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 70.1
- **Bottom (m):** 79.2
- **Perforated How:** Saw

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to
  - from (m): to
- **Screen:**

### Open Hole:
- from (m): to

### Pump:
- **Model:** Berkley 7mg11
- **Intake (m):** 48.8

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 48.8
- **Drawdown (m):** 25.9
- **Rec'd intake (m):** 48.8
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Calcium:**
- **Manganese:**
- **Magnesium:**
- **TC:**
- **DIC:**
- **Carbonate:**
- **Bicarbonate:**
- **Arsenic:**
- **Barium:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Chromium:**
- **Fluoride:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 32.6 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 30.8
- **Bottom (m):** 30.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packer
- **from (m):** to

**Liner:**
- **Type:**
- **from (m):** to
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 30.8 to 32.3
- **Size:** 0.02
- **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:** Gould
- **Model:** 7g05422
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 0.3
- **Rec'd Rate (lpm):** 29.9
- **Rec'd intake (m):** 31.9

**Laboratory:**
- pH (pH unit)
- Cond. ($\mu$S/cm)
- COD
- SAR
- TDS
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminum
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- Silica
- Lead
- Nitrate & Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 66.0 (m)
- **NPWL (m):** 13.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 66.1
- **Bottom (m):** 66.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 66.1

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 65.2
- **Bottom (m):** 86.0
- **Perforated How:** Saw
- **from (m):** to 85.3
- **Size:**
- **from (m):** to 85.3
- **Size:**
- **from (m):** to 85.3

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 61.0

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 180.0
- **Level End (m):** 36.6
- **Drawdown (m):** 22.9
- **Rec’d intake (m):** 42.7
- **Rec’d Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>From (m)</th>
<th>To (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.2</td>
<td>730.7</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>42.1</td>
<td>711.8</td>
<td>Sand</td>
</tr>
<tr>
<td>50.3</td>
<td>703.5</td>
<td>Clay Sandy Blue</td>
</tr>
<tr>
<td>57.0</td>
<td>696.8</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>64.3</td>
<td>689.5</td>
<td>Sandstone Yellow</td>
</tr>
<tr>
<td>76.5</td>
<td>677.3</td>
<td>Shale Green</td>
</tr>
<tr>
<td>84.7</td>
<td>669.1</td>
<td>Sandstone</td>
</tr>
<tr>
<td>86.0</td>
<td>667.9</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No  
**Project:** 1.000H  
**Database:**  
**AEP Data:** Yes  
**Well Field Verified:** No
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Completed Depth:
- Depth (m): 45.7
- NPWL (m): 56,310.88
- Verifed NPWL (m):
- Abandonment:

### Casing:
- **Type:**
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

### Liner:
- **Type:**
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- **Material:**
- OD (mm): from (m): to Size:
- from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Boron:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Phosphate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Iron:**
- **Nickel:**
- **Molybdenum:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Total Hardness:**
- **Total Alkalinity:**
- **TN:**
- **Vaniadium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Bicarbonate:**
- **Carbonate:**
- **Arseine:**
- **Arsenic:**
- **Manganese:**
- **Barium:**
- **Sulphate:**
- **Phosphate:**
- **Lithologic Description**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 36-052-02 W5M**

Well Owner: **Bastin, Bob**  
Drilling Contractor: **D&D Water Well Drilling & Services**

<table>
<thead>
<tr>
<th>Well Number</th>
<th>06744</th>
</tr>
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<tbody>
<tr>
<td>Elevation (AMSL) (m):</td>
<td>758</td>
</tr>
<tr>
<td>AEP:</td>
<td>387027</td>
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<td>Licence No.:</td>
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<td>Date Started:</td>
<td>21 Jun 94</td>
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<td>Northing:</td>
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<td>Date Completed:</td>
<td>22 Jun 94</td>
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</table>

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 82.0 (m)  
- **NPWL (m):** 18.0  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 67.7  
- **Bottom (m):** 67.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 67.7  

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 66.1  
- **Bottom (m):** 82.0  

### Perforated How:
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):**  

### Pump:
- **Model:**  
- **Intake (m):** 82.0

### Testing:
- **Rate (lpm):** 50.2  
- **Time (minute):** 120.0  
- **Level End (m):** 62.2  
- **Drawdown (m):** 44.2  
- **Rec'd intake (m):** 61.0  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **No**  

### Gamma Log:
- **No**  

### Aquifer Test:
- **No**  

### Project:
- **Database:** 1.000H  

### AEP Data:
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- Type of Work: New Well-Abandoned
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 76.2 m
- NPWL (m): 23.2
- Abandonment: Bentonite Product 14 May 94

**Casing:**
- Type: Plastic
- Depth (m): 61.0
- Bottom (m): 61.0
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): 57.9 to 59.4

**Liner:**
- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 57.9
- Bottom (m): 76.2
- Perforated How: Saw
- from (m): 64.0 to 73.2
- Size: 
- from (m): to Size: 
- from (m): to Size: 

**Screen:**
- Material: Plastic
- OD (mm): 
- from (m): to Size: 
- from (m): to Size: 

**Open Hole:**
- from (m): to Size: 

**Pump:** Sub-Gould
- Model: Gould
- Intake (m): 54.9

**Testing:**
- Rate (lpm): 91.2
- Time (minute): 120.0
- Level End (m): 54.9
- Drawdown (m): 31.7
- Rec’d intake (m): 61.0
- Rec’d Rate (lpm): 46.5

**Laboratory:**
- pH (pH unit): 
- Cond. (µS/cm): 
- COD: 
- SAR: 
- TDS: 
- KHN: 
- Sodium: 
- Nitrate: 
- Strontium: 
- Potassium: 
- Nitrite: 
- Molybdenum: 
- Calcium: 
- TN: 
- Vanadium: 
- Magnesium: 
- TC: 
- Zinc: 
- Carbonate: 
- DIC: 
- Hydroxide: 
- Bicarbonate: 
- Arsenic: 
- Total Hardness: 
- Aluminium: 
- Barium: 
- Manganese: 
- Sulphate: 
- Beryllium: 
- Phosphate: 
- Chloride: 
- Cadmium: 
- Ion Balance: 
- Fluoride: 
- Chromium: 
- Amm. Nitrogen: 
- Iron: 
- Cobalt: 
- Total Phosphate: 
- TOC: 
- Copper: 
- Total Alkalinity: 
- Silica: 
- Lead: 
- Nitrate & Nitrite N

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation (BGL) (AMSL):**
<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
</tr>
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<tbody>
<tr>
<td>4.0</td>
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<tr>
<td>5.2</td>
<td>756.1</td>
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<td>11.3</td>
<td>750.0</td>
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<td>21.9</td>
<td>739.3</td>
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<tr>
<td>46.9</td>
<td>714.3</td>
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<td>72.8</td>
<td>688.4</td>
</tr>
<tr>
<td>76.2</td>
<td>685.1</td>
</tr>
</tbody>
</table>

**Lithologic Description:**
- 4.0: Clay Brown
- 5.2: Clay Brown
- 11.3: Clay Brown
- 21.9: Clay Gray
- 46.9: Clay & Sand Fine Grained Gray
- 55.5: Sand & Gravel Coarse Grained
- 57.6: Clay Gray
- 58.8: Shale Green
- 60.0: Sandstone
- 63.1: Shale Green
- 64.6: Sandstone
- 65.5: Shale Green
- 67.4: Sandstone
- 68.6: Shale Green
- 72.8: Sandstone
- 76.2: Shale Green

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 36-052-02 W5M**

Well Owner: Foster, G  
Drilling Contractor: Cobob Pumps And Services Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>762</th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>354615</td>
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<tr>
<td>Date Started:</td>
<td>10 Jan 91</td>
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<td>13 Jan 91</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<tr>
<td>NPWL (m):</td>
<td>18.3</td>
</tr>
<tr>
<td>Verifed NPWL (m):</td>
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</tbody>
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**General:**
- Type of Work: New Well  
- Drilling Method: Rotary  
- Well Use: Domestic  
- Completed Depth: 65.8 (m)  
- NPWL (m): 18.3  
- Verified NPWL (m): 18.3  
- Abandonment:  

**Casing:**
- Type: Plastic  
- Depth (m): 59.7  
- Bottom (m): 59.7  
- OD (mm): 152.4  
- Thickness (mm): 0.1  
- Seal Type: Cuttings  
- from (m): to 58.8  

**Liner:**
- Type:  
- OD (mm):  
- Thickness (mm):  
- Top (m): Bottom (m):  
- Perforated How:  
- from (m): to  
- Size:  
- from (m): to  
- Size:  
- from (m): to  
- Size:  

**Screen:**
- Material: St  
- OD (mm): 1.2  
- from (m): 59.7 to 61.3  
- Size: 0.01  
- from (m): to  
- Size:  

**Open Hole:**
- from (m): to  

**Pump:** Sub  
Model: Goulds  
Intake (m):  

**Testing:**
- Rate (lpm): 91.2  
- Time (minute): 120.0  
- Level End (m): 33.5  
- Drawdown (m): 15.2  
- Rec'd Rate (lpm): 48.8  
- Rec'd intake (m):  

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium: Nitrate  
- Potassium: Nitrite  
- Calcium: TN  
- Magnesium: TC  
- Carbonate: DIC  
- Bicarbonate:  
- Barium:  
- Sulphate: Beryllium  
- Chloride: Cadmium  
- Fluoride: Chromium  
- Iron: Cobalt  
- TOC: Copper  
- Silica: Lead  
- Chemical Constituents are in mg/l (ppm). Except as noted.  
- Electric Log: No  
- Transmissivity: m²/day  
- Gamma Log: No  
- Storativity:  
- Aquifer Test: No  
- Project: Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
NW 36-052-02 W5M

Well Number: 06747

Well Owner: Gylander, Russell
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 762
Licence No.: 400314
Date Started: 20 Dec 94
Date Completed: 19 Jan 95

<table>
<thead>
<tr>
<th>Well Number</th>
<th>06747</th>
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<tbody>
<tr>
<td>Well Owner</td>
<td>Gylander, Russell</td>
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<tr>
<td>Drilling Contractor</td>
<td>Mcginn, Gerald Drilling Ltd.</td>
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<tr>
<td>Elevation (AMSL) (m)</td>
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<tr>
<td>Licence No.</td>
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<tr>
<td>Date Started</td>
<td>20 Dec 94</td>
</tr>
<tr>
<td>Date Completed</td>
<td>19 Jan 95</td>
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</tbody>
</table>

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 89.9 (m)
- **NPWL (m):** 16.1
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 62.2
- **Bottom (m):** 62.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 62.2

**Liner:**
- **Type:** Plastic
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 59.7
- **Bottom (m):** 89.0
- **Perforated How:** Saw
- **from (m):** to 89.0
- **from (m):** to 89.0
- **from (m):** to 89.0

**Screen:**
- **Material:** Plastic
- **OD (mm):**
- **from (m):** to 89.0
- **from (m):** to 89.0
- **from (m):** to 89.0

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 62.8
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 56.4
- **Drawdown (m):** 40.2
- **Rec'd intake (m):** 62.8
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

---

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>Depth</th>
<th>Elevation (AMSL)</th>
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<tbody>
<tr>
<td>6.1</td>
<td>756.1</td>
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<td>740.9</td>
<td>Clay Yellow</td>
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<td>36.6</td>
<td>725.6</td>
<td>Clay Blue</td>
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<tr>
<td>51.2</td>
<td>711.0</td>
<td>Clay &amp; Sand</td>
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<tr>
<td>56.4</td>
<td>705.8</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>57.0</td>
<td>705.2</td>
<td>Clay Yellow</td>
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<td>Shale Brittle Gray</td>
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<td>83.8</td>
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<td>Shale Green</td>
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<td>88.4</td>
<td>673.8</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>89.9</td>
<td>672.3</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

**Transmissivity:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Database:** 1.000H

**Well Field Verified:** No
**Well Number:** 06748  
**Well Owner:** Manolescu, Raylene  
**Drilling Contractor:** Midwest Water Well Ltd.

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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
<td>(m) (m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td></td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 64.0 (m)</td>
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<td></td>
</tr>
<tr>
<td>NPWL (m): 29.6 Verified NPWL (m):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Casing: | | |
| Type: Plastic | | |
| Depth (m): 57.6 Bottom (m): 57.6 | | |
| OD (mm): 152.4 Thickness (mm): 0.1 | | |
| Seal Type: | from (m): to | |
| | | |

| Liner: | | |
| Type: | | |
| OD (mm): | Thickness (mm): | |
| Top (m): | Bottom (m): | |
| Perforated How: | from (m): to | Size: |
| | from (m): to | Size: |
| | from (m): to | Size: |

| Screen: | | |
| Material: St | | |
| OD (mm): 1.5 | | |
| from (m): 57.6 to 59.1 Size: 0.01 | | |
| from (m): to | | |
| Open Hole: | from (m): to | |
| Pump: | Model: Intake (m): 42.7 | |
| Testing: | Rate (lpm): 114.0 Time (minute): 180.0 | |
| | Level End (m): 39.6 Drawdown (m): 10.1 | |
| | Rec'd intake (m): | Rec'd Rate (lpm): 91.2 | |

| Laboratory: | Electric Log: No Transmissivity: m²/day |
| pH (pH unit) | COD Mercury | |
| Cond. (µS/cm) | SAR Nickel | |
| TDS | TKN Selenium | |
| Sodium | Nitrate Strontium | |
| Potassium | Nitrite Molybdenum | |
| Calcium | TN Vanadium | |
| Magnesium | TC Zinc | |
| Carbonate | DIC Hydroxide | |
| Bicarbonate | Arsenic Total Hardness | |
| Aluminum | Barium Manganese | |
| Sulphate | Beryllium Phosphate | |
| Chloride | Cadmium Ion Balance | |
| Fluoride | Chromium Amm. Nitrogen | |
| Iron | Cobalt Total Phosphate | |
| TOC | Copper Total Alkalinity | |
| Silica | Lead Nitrate&Nitrite N | |

| Remarks: | | |
| Chemical Constituents are in mg/l (ppm). Except as noted. | | |
| Water Well Positioned by PFRA in 10TM NAD 27 | | | |
**General:**
Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**  
Completed Depth: **48.8 m**  
NPWL (m): **18.9 m**  
Verified NPWL (m):  
Abandonment:  

**Casing:**
Type: **Plastic**  
Depth (m): **44.5 m**  
Bottom (m): **44.5 m**  
OD (mm): **152.4 mm**  
Thickness (mm): **0.1 mm**  
Seal Type: **Cuttings**  
from (m): **to 30.5 m**

**Liner:**
Type:  
OD (mm):  
Top (m):  
Bottom (m):  
Perforated How:  
from (m): **to Size:**  
from (m): **to Size:**  
from (m): **to Size:**

**Screen:**
Material: **St**  
OD (mm): **1.5 mm**  
from (m): **to 46.0 m**  
Size: **0.01 mm**  
from (m): **to Size:**  
from (m): **to Size:**

**Open Hole:**
from (m): **to**

**Pump:**
Model:  
Intake (m): **45.7 m**

**Testing:**
Rate (lpm): **45.6 lpm**  
Time (minute): **120.0 min**  
Level End (m): **27.4 m**  
Drawdown (m): **8.5 m**  
Rec'd intake (m): **30.5 m**  
Rec'd Rate (lpm): **36.5 lpm**

**Laboratory:**
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<th>Constituent</th>
<th>Value</th>
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<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Sodium</td>
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<td>TOC</td>
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<td>Silica</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06750

**Well Owner:** Maywald, Sigfried

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 762

**Licence No.:** 361700

**Date Started:**

**Date Completed:**

**Easting:** 55,204.12

**Northing:** 5,930,006.00

**Well Number:** NW 36-052-02 W5M

**Type of Work:** Chemistry

**Drilling Method:** Unknown

**Well Use:** Domestic

**Completed Depth (m):**

NPWL (m): Verified NPWL (m):

**Abandonment:**

**Casing:**

**Type:**

Depth (m): Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:**

**from (m):** to

**Liner:**

**Type:**

OD (mm): Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

**from (m):** to **Size:**

**from (m):** to **Size:**

**from (m):** to **Size:**

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to **Size:**

**from (m):** to **Size:**

**Open Hole:**

**from (m):** to

**Pump:**

**Model:**

**Intake (m):**

**Testing:**

**Rate (lpm):**

**Time (minute):**

**Level End (m):**

**Drawdown (m):**

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

**Laboratory:**

**pH (pH unit):** COD Mercury

**Cond. (µS/cm):** SAR Nickel

**TDS:** TKN Selenium

**Sodium:** Nitrate Strontium

**Potassium:** Nitrite Molybdenum

**Calcium:** TN Vanadium

**Magnesium:** TC Zinc

**Carbonate:** DIC Hydroxide

**Bicarbonate:** Arsenic Total Hardness

**Aluminum:** Barium Manganese

**Sulphate:** Beryllium Phosphate

**Chloride:** Cadmium Ion Balance

**Fluoride:** Chromium Amm. Nitrogen

**Iron:** Cobalt Total Phosphate

**TOC:** Copper Total Alkalinity

**Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

** project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No

**Electric Log:** No Transmissivity: m²/day

**Gamma Log:** No Storativity:

**Aquifer Test:** No

**Project:**

**AEP Data:** Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**
### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

#### Completed Depth:
- NPWL (m): 45.7  
- Veriﬁed NPWL (m):

#### Abandonment:
- **Type:** Plastic  
- **Depth (m):** 69.2  
- **Bottom (m):** 69.2

#### Seal Type:
- **Type:** Driven  
- **Thickness (mm):** 0.1

#### Liner:
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1
  - **Top (m):** 69.2  
  - **Bottom (m):** 90.5

#### Perforated How:
- **Type:** Machine  
- **Size:**

#### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

#### Open Hole:
- **Size:**

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):** 15.2
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

#### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** Yes

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06751  
**Well Owner:** Offerman, John  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 748  
**AEP:** 351289  
**Licence No.:**  
**Date Started:** 15 May 90  
**Northing:** 5,925,915.00  
**Date Completed:** 16 May 90

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<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>12.2</td>
<td>735.6</td>
<td>Clay Sandy Yellow</td>
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<td>36.6</td>
<td>711.2</td>
<td>Clay Blue</td>
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<tr>
<td>51.8</td>
<td>696.0</td>
<td>Sand</td>
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<td>62.5</td>
<td>685.3</td>
<td>Clay Blue</td>
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<td>64.6</td>
<td>683.2</td>
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</tr>
<tr>
<td>91.4</td>
<td>656.4</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

---

**Printed on:** 2/20/98
**NW 36-052-02 W5M**

Well Number: **06752**

Well Owner: **Reid, Russ**

Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

Elevation (AMSL) (m): **764**

AEP: **359860**

Licence No.: **东**

Date Started: **22 Aug 91**

Northing: **5,929,942.50**

Date Completed: **23 Aug 91**

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 60.0 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 56.7
- **Bottom (m):** 56.7
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:** from (m): to
- **Thickness (mm):**
- **Bottom (m):**
- **Perforated How:** from (m): to
- **Size:**
- **Thickness:**

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **Bottom (m):**
- **Size:** 57.9
- **Thickness:** 0.01
- **Size:**
- **Thickness:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 34.2
- **Time (minute):** 420.0
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06753

**Well Owner:** Slinko, Zygmunt

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 765  
**AEP:** 351587  
**Licence No.:**  
**Date Started:** 28 May 90  
**Date Completed:** 29 May 90

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<th>Elevation</th>
<th>Lithologic Description</th>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>from (m): to</td>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Magnesium</td>
<td>TC</td>
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<td>Carbonate</td>
<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<tr>
<td>Aluminium</td>
<td>Barium</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
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| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No |  |
| Project: Database: 1.000H |  |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 36-052-02 W5M**

Well Owner: Dick, Gordon

Drilling Contractor: D&D Water Well Drilling & Services

**Depth Elevation**

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<td>19.5</td>
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<td></td>
<td>29.9</td>
<td>Clay Blue</td>
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<td>45.1</td>
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<td>52.4</td>
<td>Shale Green</td>
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<td>53.3</td>
<td>Sandstone</td>
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<td></td>
<td>82.0</td>
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</table>

**General:**

- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 82.0 m
- NPWL (m): 13.7
- Abandonment:

**Casing:**

- Type: Plastic
- Depth (m): 57.9
- Bottom (m): 57.9
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): 57.9 to 57.9

**Liner:**

- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 56.4
- Bottom (m): 82.0
- Perforated How: Saw
- from (m): 61.0 to 79.2
- Size: to Size:

**Screen:**

- Material: Plastic
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- Model: Intake (m): 82.0

**Testing:**

- Rate (lpm): 41.1
- Time (minute): 120.0
- Level End (m): 68.9
- Drawdown (m): 55.2
- Rec'd intake (m): 64.0
- Rec'd Rate (lpm): 22.8

**Laboratory:**

- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Sulfate
- Calcium: Chloride
- Magnesium: Bicarbonate
- Carbonate: Aluminum
- Beryllium: Sulfate
- Cadmium: Chloride
- Chromium: Fluoride
- Cobalt: Iron
- Copper: TOC
- Lead: Silica
- Mercury: COD
- Nickel: Potassium
- Selenium: Nitrate
- Vanadium: Molybdenum
- Zinc: Ion Balance
- Amm. Nitrogen: Barium
- Total Hardness: Arsenic
- Total Phosphate: Manganese
- Total Alkalinity: Beryllium
- Phosphate: Cadmium
- Amm. Nitrogen: Chromium
- Total Phosphate: Cobalt
- Total Alkalinity: Copper
- Phosphate: Beryllium
- Total Alkalinity: Lead
- Nitrate: Lead
- Nitrite: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printing:**

- Printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
- **NPWL:** (m)
- **Verified NPWL:** (m)
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):**
  - **OD (mm):**
- **Seal Type:**
  - **from (m):**
  - **Thickness (mm):**
  - **to**

### Liner:
- **Type:**
  - **OD (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **Size:**
  - **to**
  - **Size:**
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **from (m):**
  - **Size:**
  - **to**
  - **Size:**
  - **Size:**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **NH₃-N:**
- **NO₃-N:**
- **NO₂-N:**
- **PO₄:**
- **CL:**
- **SO₄:**
- **LD:**
- **Organic Carbon:**
- **TOC:**
- **Acidity (CaCO₃):**
- **Alkalinity:**
- **bicarbonate:**
- **bicarbonate:**
- **bicarbonate:**
- **bicarbonate:**

**Chemical Constituents are in mg/l (ppm), Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation (BGL) (AMSL) (m) Lithologic Description (m) (m)

(No Lithologic Information Available)
**Well Number:** 06756

**Well Owner:** Tomlinson, Williams

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 746

**Licence No.:** Easting: 56,108.79

**Date Started:** Northing: 5,929,272.00

**Date Completed:**

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 59.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>Silicon</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*print on 2/20/98*
**SE 36-052-02 W5M**

**Well Owner:** Wilford, R

Drilling Contractor: Cobob Pumps And Services Ltd.

**Well Number:** 06757

**Elevation (AMSL) (m):** 747

**AEP:** 366553

**Licence No.:** Easting: 55,977.61

**Date Started:** 07 Oct 92

**Date Completed:** 09 Oct 92

**Northing:** 5,929,174.00

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**General:**

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**Completed Depth** 88.4 (m)

NPWL (m): 28.4

Verified NPWL (m): 55,977.61

**Abandonment:**

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**Depth (m):** 61.0

**Bottom (m):** 61.0

**OD (mm):** 152.4

**Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite

**from (m):** to 61.0

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**Casing:**

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**Depth (m):** 61.0

**Bottom (m):** 61.0

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Top (m):** 57.9

**Bottom (m):** 88.4

**Perforated How:** Saw

**from (m):** to 82.3

**Size:**

**from (m):** to Size:

**from (m):** to Size:

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**Laboratory:**

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<tr>
<th>TOC</th>
<th>Total Phosphate</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Lead</th>
<th>Total Alkalinity</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Silica</th>
<th>Nitrate &amp; Nitrite N</th>
</tr>
</thead>
</table>

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Printed on:** 2/20/98
Well Number: **06758**

**NE 01-052-03 W5M**

**Well Owner:** Gray, George  
**Drilling Contractor:** Blakeman’S, Norm Drilling Ltd.

**Elevation (AMSL) (m):** 740  
**AEP:** 352828  
**Licence No.:** 46.179.75  
**Date Started:** 30 Mar 90  
**Northing:** 5,921,589.50  
**Date Completed:** 31 Mar 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock

### Depth Elevation (BGL) (AMSL) (m) – Lithologic Description

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.8</td>
<td>733.9</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>16.5</td>
<td>723.2</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>19.8</td>
<td>719.9</td>
<td>Clay Silty</td>
</tr>
<tr>
<td>25.0</td>
<td>714.7</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>36.6</td>
<td>703.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>39.6</td>
<td>700.1</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>51.2</td>
<td>688.5</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>52.4</td>
<td>687.3</td>
<td>Sandstone &amp; Gravel Brown</td>
</tr>
<tr>
<td>60.4</td>
<td>679.3</td>
<td>Sand Clayey Gray</td>
</tr>
<tr>
<td>69.2</td>
<td>670.5</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>73.2</td>
<td>666.5</td>
<td>Sand &amp; Shale Gray</td>
</tr>
<tr>
<td>79.6</td>
<td>660.1</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>82.9</td>
<td>656.8</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>83.2</td>
<td>656.5</td>
<td>Shale</td>
</tr>
</tbody>
</table>

### Casings:
- **Type:** Galvanized Steel  
- **Depth (m):** 67.1
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1
- **Seal Type:** Driven  
- **from (m):** to 66.4

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**
- **Perforated Size:** from (m) to Size: from (m) to Size: from (m) to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m) to Size: from (m) to Size: from (m) to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 61.0
- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0
- **Level End (m):** 61.0  
- **Depth (m):** 18.6  
- **Rec’d Intake (m):**  
- **Rec’d Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

### Electric Log:
- No

### Aquifer Test:
- No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NW 01-052-03 W5M**

**Well Owner:** Henkel, Doug  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 754  
**Licence No.:** Easting: 45,093.20  
**Date Started:** Northing: 5,921,809.00  
**Date Completed:**

| General | Well Use: Domestic  
|---------|-------------------  
| Type of Work: Chemistry  
| Drilling Method: Unknown  
| Well Use: Domestic  
| Completed Depth: 70.1 (m)  
| NPWL (m): Verified NPWL (m):  
| Abandonment: |

| Casing | Type:  
|--------|-------------------  
| Depth (m): Bottom (m):  
| OD (mm): Thickness (mm):  
| Seal Type:  
| from (m): to  

| Liner | Type:  
|-------|-------------------  
| OD (mm): Thickness (mm):  
| Top (m): Bottom (m):  
| Perforated How:  
| from (m): to Size:  
| from (m): to Size:  
| from (m): to Size:  

| Screen | Material:  
|--------|-------------------  
| OD (mm):  
| from (m): to Size:  
| from (m): to Size:  

| Open Hole | from (m): to  
|-----------|---------------

<table>
<thead>
<tr>
<th>Pump</th>
<th>Model: Intake (m):</th>
</tr>
</thead>
</table>

| Testing | Rate (lpm): Time (minute):  
|---------|-------------------|
| Level End (m): Drawdown (m):  
| Rec'd intake (m): Rec'd Rate (lpm): |

| Laboratory | pH (pH unit): COD Mercury  
|------------|----------------|-------------------  
| Cond. (µS/cm): SAR Nickel  
| TDS: TKN Selenium  
| Sodium: Nitrate Strontium  
| Potassium: Nitrite Molybdenum  
| Calcium: TN Vanadium  
| Magnesium: TC Zinc  
| Carbonate: DIC Hydroxide  
| Bicarbonate: Arsenic Total Hardness  
| Aluminium: Barium Manganese  
| Sulphate: Beryllium Phosphate  
| Chloride: Cadmium Iron Balance  
| Fluoride: Chromium Amm. Nitrogen  
| Iron: Cobalt Total Phosphate  
| TOC: Copper Total Alkalinity  
| Silica: Lead Nitrate&Nitrite N  
| Electric Log: No Transmissivity: m³/day  
| Gamma Log: No Storativity:  
| Aquifer Test: No  
| Project: Database: 1.000H |
| AEP Data: Yes Well Field Verified: No  
| Chemical Constituents are in mg/l (ppm). Except as noted.  

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** SW 01-052-03 W5M

**Well Owner:** Henkel, Doug

**Drilling Contractor:** Clear Water Drilling Ltd.

**Well Number:** 06760

**Elevation (AMSL) (m):** 741

**AEP:** 351045

**Licence No.:** Easting: 45,178.09

**Date Started:** Northing: 5,920,736.00

**Date Completed:** 04 Dec 89

<table>
<thead>
<tr>
<th>Depth (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>734.6 Sand Brown</td>
</tr>
<tr>
<td>24.7</td>
<td>716.0 Clay Sandy Blue</td>
</tr>
<tr>
<td>36.3</td>
<td>704.5 Clay Gray</td>
</tr>
<tr>
<td>52.1</td>
<td>688.6 Shale &amp; Sandstone Gray</td>
</tr>
<tr>
<td>52.4</td>
<td>688.3 Coal</td>
</tr>
<tr>
<td>53.0</td>
<td>687.7 Sandstone</td>
</tr>
<tr>
<td>53.3</td>
<td>687.4 Shale &amp; Coal Black</td>
</tr>
<tr>
<td>60.4</td>
<td>680.4 Shale Gray</td>
</tr>
<tr>
<td>61.6</td>
<td>679.2 Sandstone Gray</td>
</tr>
<tr>
<td>64.0</td>
<td>676.7 Shale Gray</td>
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<tr>
<td>67.4</td>
<td>673.4 Sandstone Gray</td>
</tr>
<tr>
<td>73.2</td>
<td>667.6 Shale Gray</td>
</tr>
<tr>
<td>77.4</td>
<td>663.3 Sandstone Gray</td>
</tr>
<tr>
<td>78.6</td>
<td>662.1 Sandstone</td>
</tr>
<tr>
<td>86.6</td>
<td>654.2 Shale &amp; Sandstone</td>
</tr>
<tr>
<td>93.9</td>
<td>646.9 Shale Gray</td>
</tr>
<tr>
<td>94.8</td>
<td>645.9 Sandstone Gray</td>
</tr>
<tr>
<td>95.1</td>
<td>645.6 Sandstone</td>
</tr>
<tr>
<td>96.6</td>
<td>644.1 Sandstone Gray</td>
</tr>
<tr>
<td>97.5</td>
<td>643.2 Shale Blue</td>
</tr>
</tbody>
</table>

**Type of Work:** New Well

**Drilling Method:** Rotary

**Well Use:** Stock

**Completed Depth:** 97.5 (m)

**NPWL (m):** 53.0

**Verified NPWL (m):**

**Abandonment:**

**Type:** Steel

**Depth (m):** 60.4

**Bottom (m):** 60.4

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** 60.4 to 60.4

**Linier:**

**Type:**

**OD (mm):** 88.9

**Thickness (mm):** 0.1

**Top (m):** 60.4

**Bottom (m):** 97.5

**Perforated How:** Machine

**from (m):** 60.4 to 97.5

**Size:**

**from (m):**

**Size:**

**Screen:**

**Material:**

**OD (mm):**

**from (m):**

**Size:**

**from (m):**

**Size:**

**Open Hole:**

**from (m):**

**Size:**

**Pump:** Sub

**Model:** Jacuzzi

**Intake (m):** 59.7

**Testing:**

**Rate (lpm):** 22.8

**Time (minute):** 480.0

**Level End (m):** 58.2

**Drawdown (m):** 5.2

**Rec'd Rate (lpm):** 22.8

**Rec'd intake (m):**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphophate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 03-052-03 W5M**

**Well Owner:** Klem, Elaine  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number</th>
<th>06761</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m):</td>
<td>750</td>
</tr>
<tr>
<td>Licence No.:</td>
<td>376549</td>
</tr>
<tr>
<td>Date Started:</td>
<td>19 Mar 93</td>
</tr>
<tr>
<td>Northing:</td>
<td>43,121.18</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>19 Mar 93</td>
</tr>
<tr>
<td>Easting:</td>
<td>5,922,053.50</td>
</tr>
</tbody>
</table>

### General:  
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic & Stock  
Completed Depth: 67.1 (m)  
NPWL (m): 50.3  
Abandonment:  
Licence No.: Easting: Northing:  

### Casing:  
Type: Steel  
Depth (m): 44.5  
OD (mm): 139.7  
Thickness (mm): 0.1  
Seal Type: Driven  
from (m): to 44.5  

### Liner:  
Type:  
OD (mm): 114.3  
Thickness (mm): 0.1  
Top (m): 36.0  
Bottom (m): 66.4  

### Perforation:  
Type: Machine  
from (m): 57.3 to 66.4  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

### Screen:  
Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:  

### Open Hole:  
from (m):  

### Pump:  
Model:  
Intake (m): 54.9  

### Testing:  
Rate (lpm): 22.8  
Time (minute): 120.0  
Level End (m): 54.9  
Drawdown (m): 4.6  
Rec’d intake (m): 57.9  
Rec’d Rate (lpm): 22.8  

### Laboratory:  
| pH (pH unit) | COD  
|-------|-------|
| Cond. (µS/cm) | SAR  
| TDS | TKN  
| Sodium | Nitrate  
| Potassium | Nitrite  
| Calcium | TN  
| Magnesium | TC  
| Carbonate | DIC  
| Bicarbonate | Arsenic  
| Aluminium | Barium  
| Sulphate | Beryllium  
| Chloride | Cadmium  
| Fluoride | Chromium  
| Iron | Cobalt  
| TOC | Copper  
| Silica | Lead  

### Chemical Constituents are in mg/l (ppm). Except as noted.  

### Electric Log: No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No  

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 03-052-03 W5M**

**Well Owner:** Henkel, Todd  
**Drilling Contractor:** Summer's Drilling Ltd.

**Depth Elevation**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay Brown</td>
<td>7.3</td>
<td>708.5</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>16.1</td>
<td>699.6</td>
</tr>
<tr>
<td>Sand Blue</td>
<td>18.3</td>
<td>697.5</td>
</tr>
<tr>
<td>Clay Blue</td>
<td>21.9</td>
<td>693.9</td>
</tr>
</tbody>
</table>

**Laboratory:**

- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbontate**
- **Bicarbonate**
- **Barium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
</thead>
</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Owner: Henkel, Todd
Drilling Contractor: Morrill’s Water Well Drilling Ltd.

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 45.1 (m)
NPWL (m): 32.3 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 31.1 Bottom (m): 31.1
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 31.1

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 30.2 Bottom (m): 45.1
Perforated How: Machine
from (m): 32.9 to 45.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to

Pump:
Model: Intake (m): 41.2

Testing:
Rate (lpm): 31.9 Time (minute): 120.0
Level End (m): 39.6 Drawdown (m): 7.3
Rec’d intake (m): Rec’d Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Well Number 06763
Elevation (AMSL) (m): 734
AEP: 351046
Licence No.: 42,251.98
Date Started: 06 Oct 89
Northing: 5,921,407.50
Date Completed: 06 Oct 89

Depth Elevation
(BGL) (AMSL)

<table>
<thead>
<tr>
<th>m</th>
<th>m</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.3</td>
<td>279.6</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>29.3</td>
<td>704.6</td>
<td>Clay Soft</td>
</tr>
<tr>
<td>29.9</td>
<td>704.0</td>
<td>Coal</td>
</tr>
<tr>
<td>30.8</td>
<td>703.0</td>
<td>Shale &amp; Coal</td>
</tr>
<tr>
<td>33.5</td>
<td>700.3</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>40.8</td>
<td>693.0</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>43.9</td>
<td>689.9</td>
<td>Sand Gray</td>
</tr>
<tr>
<td>45.1</td>
<td>688.7</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 19.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Sulfate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pCO₂:**
- **pO₂:**
- **pH:** COD, Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrite:** Strontium
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **As:**
- **Arsenic:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **AquiTest:** No
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
## NE 09-052-03 W5M

**Well Owner:** Turner, Howard B  
**Drilling Contractor:** Unknown Driller

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 27.4 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Selenium:**  
- **Strontium:**  
- **Sodium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Potassium:**  
- **Vanadium:**  
- **Calcium:**  
- **Magnesium:**  
- **Zinc:**  
- **Barium:**  
- **Manganese:**  
- **Lead:**  
- **Nitrate:**  
- **Nitrile:**  
- **Total Hardness:**  
- **Bicarbonate:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Lead:**  
- **Phosphate:**  
- **Ion Balance:**  
- **Chromium:**  
- **Iron:**  
- **Copper:**  
- **Chromium:**  
- **Chromium:**  
- **Chromium:**  
- **Chromium:**  

### Electric Log:
- **Transmissivity:** m²/day  

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06765  
**Elevation (AMSL) (m):** 710  
**AEP:** 356895  
**Licence No.:**  
**Date Started:**  
**Date Completed:**  
**Easting:** 41,400.13  
**Northing:** 5,923,463.00

---

(printed on 2/20/98)
### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 m
- **NPWL (m):** 43.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing
- **Type:** Plastic
- **Depth (m):** 53.6
- **Bottom (m):** 53.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 53.6

### Liner
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 52.4
- **Bottom (m):** 76.2
- **Perforated How:** Saw
- **from (m):** 54.9 to 76.2
- **Size:**
- **from (m):** to 76.2
- **Size:**
- **from (m):** to 76.2
- **Size:**

### Screen
- **Material:**
- **OD (mm):**
- **Thickness:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole
- **from (m):**

### Pump
- **Model:**
- **Intake (m):** 76.2
- **Testing:**
  - **Rate (lpm):** 22.8
  - **Time (minute):** 240.0
  - **Level End (m):** 66.1
  - **Drawdown (m):** 22.3
  - **Rec’d intake (m):** 67.1
  - **Rec’d Rate (lpm):** 18.2

### Laboratory
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **NO3:**
- **PO4:**
- **NO2:**
- **SO4:**
- **Fe:**
- **Mn:**
- **Cu:**
- **Ni:**
- **Zn:**
- **Mg:**
- **Ca:**
- **K:**
- **Na:**
- **Sr:**
- **Br:**
- **Cl:**
- **SO3:**
- **HCO3:**
- **CO3:**
- **OH:**
- **DIC:**
- **TC:**
- **CN:**
- **NH3:**
- **H2S:**
- **CH4:**
- **CO2:**
- **Total Hardness:**
- **Strontium:**
- **Lead:**
- **Pb:**
- **Nickel:**
- **Ni:**
- **Cadmium:**
- **Cd:**
- **Barium:**
- **Ba:**
- **Selenium:**
- **Selenium:**
- **Mercury:**
- **Hg:**
- **Chromium:**
- **Cr:**
- **Tungsten:**
- **W:**
- **Arsenic:**
- **As:**
- **Thallium:**
- **Tl:**
- **Cobalt:**
- **Co:**
- **Manganese:**
- **Mn:**
- **Molybdenum:**
- **Mo:**
- **Sodium:**
- **Na:**
- **Barium:**
- **Ba:**
- **Calcium:**
- **Ca:**
- **Magnesium:**
- **Mg:**
- **Vanadium:**
- **V:**
- **Zinc:**
- **Zn:**
- **Nickel:**
- **Ni:**
- **Iron:**
- **Fe:**
- **Total Alkalinity:**
- **Total Hardness:**
- **Total Alkalinity:**
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- **Total Alkalinity:**
- **Total Alkalinity:**
- **Total Alkil
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 61.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:** Intake (m):
- **Testing:**
  - Rate (lpm):
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec’d intake (m):
  - Rec’d Rate (lpm):

### Laboratory:

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<th>Unit</th>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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<tr>
<td>Sodium</td>
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<tr>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
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### Lithologic Description

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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tr>
<td>5.5</td>
<td>738.8</td>
<td>Clay Soft Brownish Yellow</td>
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<tr>
<td>15.2</td>
<td>729.0</td>
<td>Silt Soft Brownish Yellow</td>
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<tr>
<td>19.5</td>
<td>724.8</td>
<td>Silt Hard Brownish Yellow</td>
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<td>24.4</td>
<td>719.9</td>
<td>Silt Hard Dark Gray</td>
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<td>29.0</td>
<td>715.3</td>
<td>Silt Soft Dark Gray</td>
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<tr>
<td>38.7</td>
<td>705.6</td>
<td>Silt Sandy Brownish Yellow</td>
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<tr>
<td>43.3</td>
<td>701.0</td>
<td>Sand Fine Grained</td>
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<td>53.6</td>
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<tr>
<td>61.0</td>
<td>683.3</td>
<td>Siltstone &amp; Sandstone Gray</td>
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</table>

### Water Well Positioned by PFRA in 10TM NAD 27
SE 12-052-03 W5M

Well Owner: Carmichael, Glen
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 733
AEP: 381446
Licence No.: Easting: 46,634.58
Date Started: 13 Jun 95 Northing: 5,922,642.50
Date Completed: 15 Jun 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 73.2 (m)
NPWL (m): 6.7
Abandonment:

Casing:
Type: Plastic
Depth (m): 33.8
Bottom (m): 33.8
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 33.8

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 32.3
Bottom (m): 72.2
Perforated How: Saw
from (m): to 72.2
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: S8p4cp-0 S/R
Intake (m): 24.4

Testing:
Rate (lpm): 63.9
Time (minute): 120.0
Level End (m): 18.3
Drawdown (m): 11.6
Rec'd intake (m): 24.4
Rec'd Rate (lpm): 63.9

Laboratory:

- pH (pH unit): 7
- Cond. (µS/cm): 200
- TDS: 10
- Sodium: 30
- Potassium: 5
- Magnesium: 10
- Calcium: 5
- Bicarbonate: 20
- Aluminium: 5
- Sulphate: 10
- Chloride: 2
- Fluoride: 0.1
- Iron: 0.1
- TOC: 0.1
- Silica: 0.1
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**EH 13-052-03 W5M**

**Well Owner:** Whitworth, Kevin  
**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number:** 06769

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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<th>Completed Depth</th>
<th>Bottom (m):</th>
<th>Thickness (mm):</th>
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<td>67.1 (m)</td>
<td>52.4</td>
<td>0.1</td>
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<table>
<thead>
<tr>
<th>Abandonment:</th>
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</thead>
<tbody>
<tr>
<td></td>
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</table>

### Casing:
- **Type:** Steel  
- **Depth (m):** 52.4  
- **OD (mm):** 139.7  
- **Seal Type:** Driven

### Liner:
- **Type:** Steel  
- **OD (mm):** 114.3  
- **Top (m):** 48.8  
- **Bottom (m):** 67.1

### Perforated How:
- **How:** Hand Drill
- **from (m):** 54.9 to 67.1
- **Size:**

### Screen:
- **Material:** Steel  
- **OD (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 114.0  
- **Time (minute):** 180.0

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<th>Drawdown (m):</th>
<th>Rec'd Rate (lpm):</th>
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<td>51.8</td>
<td>114.0</td>
</tr>
</tbody>
</table>

| Water Well Positioned by PFRA in 10TM NAD 27 |

### Laboratory:
- pH (pH unit): COD  
- Cond. (µS/cm): SAR  
- TDS: TKN  
- Sodium: Nitrate  
- Potassium: Nitrite  
- Calcium: TN  
- Magnesium: TC  
- Carbonate: DIC  
- Bicarbonate: Arsenic  
- Aluminium: Barium  
- Sulphate: Beryllium  
- Chloride: Cadmium  
- Fluoride: Chromium  
- Iron: Cobalt  
- TOC: Copper  
- Silicon: Lead  

- Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

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<th>Water Well Positioned by PFRA in 10TM NAD 27</th>
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<table>
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<tr>
<th>Electric Log: No</th>
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<tbody>
<tr>
<td>Gamma Log: No</td>
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<td>Aquifer Test: No</td>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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</table>

**Elevation (AMSL) (m): 734**  
**AEP: 352099**  
**Licence No.:** 46.193.12  
**Date Started:** 08 Aug 90  
**Date Completed:** 08 Aug 90  
**Easting:** 5,924,563.00  
**Northing:** 46.193.12
**SE 13-052-03 W5M**

**Well Owner:** Holmes, Randy  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<tr>
<th><strong>General:</strong></th>
<th><strong>Depth &amp; Elevation</strong></th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>(m)</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 70.4</td>
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<tr>
<td><strong>NPWL (m):</strong> 14.6</td>
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<td><strong>Verified NPWL (m):</strong></td>
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<tr>
<td><strong>Casing:</strong></td>
<td>54.6</td>
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<tr>
<td><strong>Depth (m):</strong> 56.4</td>
<td>59.1</td>
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<tr>
<td><strong>Bottom (m):</strong> 56.4</td>
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<td><strong>OD (mm):</strong> 152.4</td>
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<td><strong>Thickness (mm):</strong> 0.1</td>
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<td><strong>to:</strong> 56.4</td>
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<td><strong>to:</strong> 67.1</td>
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<td><strong>Size:</strong></td>
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<tr>
<td><strong>Screen:</strong></td>
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<td><strong>to:</strong></td>
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<td><strong>Size:</strong></td>
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<td><strong>Open Hole:</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>Rec'd Rate (lpm):</strong> 22.8</td>
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**Laboratory:**

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number: 06771

### General:
- **Well Use:** Observation
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Completed Depth:** 70.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 23-052-03 W5M**

**Well Owner:** Dorn, Lou  
**Drilling Contractor:** Grove Drilling Ltd

**Elevation (AMSL) (m):** 753  
**AEP:** 369647  
**Licence No.:** Easting: 44,491.65  
**Date Started:** 01 Mar 78  
**Northing:** 5,926,644.00  
**Date Completed:** 01 Mar 78

---

**General:**
- **Type of Work:** Test Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Unknown  
- **Completed Depth:** 64.0 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 54.9  
- **Bottom (m):** 54.9  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0  
- **Seal Type:** Drive Shoe  
- **from (m):** to 54.9

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:  
  - from (m): to Size:  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**

**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Potassium:** Manganese  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 51.5 (m)
  - NPWL (m): 11.6
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 37.2
- **Bottom (m):** 37.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - from (m): to 37.2

**Liner:**

- **Type:**
  - OD (mm): 127.0
  - Thickness (mm): 0.1
  - Top (m): 34.8
  - Bottom (m): 50.6
- **Perforated How:** Saw
  - from (m): 37.2 to 50.6
  - Size: 
  - from (m): to
  - from (m): to

**Screen:**

- **Material:**
  - OD (mm): 
  - from (m): to
  - from (m): to

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Mcdonald
  - Intake (m): 33.5

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 27.4
- **Drawdown (m):** 15.9
- **Rec’d intake (m):** 33.5
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**

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<td>Nitrate &amp; Nitrite</td>
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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
**NE 24-052-03 W5M**

**Well Owner:** Paul Band / Rain, Walter

**Drilling Contractor:** Midwest Water Well Ltd.

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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tr>
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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<td>Completed Depth 79.2 (m)</td>
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<td>Abandonment:</td>
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<tr>
<td>Casing:</td>
<td></td>
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<tr>
<td>from (m): to</td>
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<td>Liner:</td>
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<td>Open Hole:</td>
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<tr>
<td>from (m): to</td>
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<td>Pump:</td>
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<td>Model:</td>
<td>Intake (m):</td>
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<td>Testing:</td>
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<td>Rec'd intake (m):</td>
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**Laboratory:**

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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<td>Iron</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
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</table>

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NE 24-052-03 W5M

Well Owner: Rain, Delores (Paul Band)
Drilling Contractor: Midwest Water Well Ltd.

Well Number 06792

| Elevation (AMSL) (m): 745 | AEP: 366090 |
| Date Started: 31 Aug 92 | Licence No.: 46494.45 |
| Date Completed: 31 Aug 92 | Northing: 5926781.50 |

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 42.7
- **Verified NPWL (m):** 42.7

### Casing:
- **Type:** Steel
- **Depth (m):** 43.3
- **Bottom (m):** 43.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 43.3

### Liner:
- **Type:** Steel
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 39.6
- **Bottom (m):** 91.4

**Perforated How:** Hand Drill
- **from (m):** 79.2 to 91.4
- **Size:**
- **from (m):** to Size
- **from (m):** to Size

### Screen:
- **Material:** Steel
- **OD (mm):**
- **Thickness (mm):** 43.3
- **from (m):** to Size
- **from (m):** to Size

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 91.4
- **Intake (mm):**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 91.4
- **Drawdown (m):** 48.8
- **Rec’d Intake (m):** 79.2
- **Rec’d Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **DO (mg/l):**
- **SAR:**
- **TDN:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbohydrate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Selenium:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Zinc:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates:**
- **Nitrites:**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Water Well Positioned by PFRA in 10TM NAD 27

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 20/98
**NW 24-052-03 W5M**

**Well Owner:** Paul Band (Rain, Howard)

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 745

**AEP:** 418255

**Licence No.:** Easting: 45,328.82

**Date Started:** 05 Oct 95

**Northing:** 5,926,679.00

**Date Completed:** 11 Oct 95

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 92.7 (m)
  - NPWL (m): 27.4
  - Verified NPWL (m): 
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 43.9
  - Bottom (m): 43.9
- **OD (mm):** 152.4
  - Thickness (mm): 0.1
- **Seal Type:** Formation Seal
  - from (m): to 43.9

**Liner:**

- **Type:**
  - OD (mm): 127.0
    - Thickness (mm): 0.1
  - Top (m): 42.4
    - Bottom (m): 91.7
- **Perforated How:** Saw
  - from (m): to 43.9
    - Size: to 91.7
  - from (m): to Size:
    - from (m): to Size:

**Screen:**

- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**

- from (m): to 

**Pump:** Sub

- **Model:** McDonald
  - Intake (m): 81.7

**Testing:**

- **Rate (lpm):** 4.6
  - Time (minute): 120.0
- **Level End (m):** 76.2
  - Drawdown (m): 48.8
- **Rec’d intake (m):** 81.7
  - Rec’d Rate (lpm): 4.6

**Laboratory:**

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Depth**

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<td>736.5 Clay Blue</td>
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<td>92.7</td>
<td>652.4 Shale Gray</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No
**NE 25-052-03 W5M**

**Well Owner:** Rain, Kurt (Paul Band)

Drilling Contractor: Midwest Water Well Ltd.

**Well Number:** 06794

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 54.9 m

**NPWL (m):** 18.3

**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 34.8
- **Bottom (m):** 34.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 34.8

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 54.9

**Perforated How:** Hand Drill

- **from (m):** 36.6 to 42.7
- **Size:**
- **from (m):** 42.7 to 48.8
- **Size:**
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 36.6
- **Rec’d intake (m):** 36.6
- **Rec’d Rate (lpm):** 45.6

### Laboratory:

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<th>Chemical Constituents</th>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No
**Transmissivity:** m³/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

---

**Elevation (AMSL) (m):** 721

**AEP:** 366091

**Licence No.:**

**Easting:** 46,268.12

**Date Started:** 02 Sep 92

**Northing:** 5,927,991.50

**Date Completed:** 02 Sep 92
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 44.5
- **Bottom (m):** 44.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 44.5

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 43.0
- **Bottom (m):** 81.4
- **Perforated How:** Saw
- **from (m):** to 44.5 Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** S5p4c02tl-S/R
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 16.0
- **Time (minute):** 120.0
- **Level End (m):** 51.8
- **Drawdown (m):** 42.7
- **Rec’d intake (m):** 54.9
- **Rec’d Rate (lpm):** 13.7

### Lithologic Description:

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### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrile:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Well Field Verified: No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Bonner, Derrick
Drilling Contractor: Cobob Pumps And Services Ltd.

Well Number: 06796
Elevation (AMSL) (m): 733
AEP: 367296
Licence No.: 46,233.36
Date Started: 01 Dec 92
Northing: 5,927.530.50
Date Completed: 02 Dec 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 42.7 (m)
NPWL (m): 15.2
Abandonment:

Casing:
Type: Plastic
Depth (m): 31.1
Bottom (m): 31.1
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): 29.6 to 31.1

Liner:
Type: Sub
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 27.4
Bottom (m): 42.7

Perforated How: Saw
from (m): 33.5 to 42.7
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump: Sub
Model: Gould 5g0742z
Intake (m): 36.6

Testing:
Rate (lpm): 18.2
Time (minute): 120.0
Level End (m): 36.6
Drawdown (m): 21.3
Rec'd Rate (lpm): 32.0
Rec'd intake (m): 18.2

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD
SAR
TKN
Nitrate
Nitrite
Molybdenum
TN
TC
DIC
Mercury
Nickel
Selenium
Sodium
Strontium
Molybdenum
Vanadium
Zinc
Hydroxide
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate
Nitrile

Electric Log: No
Gamma Log: No
Aquifer Test: No

Transmissivity: m³/day
Storativity:
Database: 1.000H
Project:
AEP Data: Yes
Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 25-052-03 W5M**

**Well Number:** 06797

**Well Owner:** Gregoire, Mabel

**Drilling Contractor:** Warehime, Jack Drilling

**Drilling Method:** Rotary  
**Well Use:** Domestic

**Completed Depth:** 56.4 (m)  
**NPWL (m):** 15.2  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**

| Type of Work | New Well  
| Depth (m): | 32.6 |  
| Bottom (m): | 32.6 |

**OD (mm):** 114.3  
**Thickness (mm):**

**Seal Type:**  
**from (m):** to

**Liner:**

| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |

**Perforated How:**

| from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

**Screen:**

| Material: |
| OD (mm): |
| from (m): | to | Size: |
| from (m): | to | Size: |

**Open Hole:**

| from (m): | to |

**Pump:**

| Model: |
| Intake (m): | 21.3 |

**Testing:**

| Rate (lpm): | 91.2 |
| Time (minute): | 120.0 |

| Level End (m): | 15.2 |
| Drawdown (m): |

| Rec'd intake (m): |

| Rec'd Rate (lpm): |

**Laboratory:**

| pH (pH unit): |
| Cond. (µS/cm): |
| TDS: |
| Sodium: |
| Potassium: |
| Calcium: |
| Magnesium: |
| Carbonate: |
| Bicarbonate: |
| Aluminium: |
| Sulphate: |
| Chloride: |
| Fluoride: |
| Iron: |
| TOC: |
| Silica: |

| COD: |
| SAR: |
| TKN: |
| Nitrate: |
| Nitrite: |
| Beryllium: |
| Cadmium: |
| Chromium: |
| Cobalt: |
| Copper: |
| Lead: |

| Mercury: |
| Nickel: |
| Selenium: |
| Strontium: |
| Molybdenum: |
| Zinc: |
| Hydroxide: |
| Total Hardness: |
| Manganese: |
| Phosphate: |
| Ion Balance: |
| Amm. Nitrogen: |
| Total Phosphate: |
| Total Alkalinity: |
| Nitrate&Nitrite N: |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06797

**Elevation (AMSL) (m):** 733

**Licence No.:** Easting: 46,188.82

**Date Started:** 06 Apr 81

**Noting:** 5,927,524.50

**Date Completed:** 17 Apr 81

**AEP:** 360022

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H

**TOC:** Yes  
**Well Field Verified:** No
**SE 25-052-03 W5M**

**Well Number:** 06798

**Well Owner:** House, Dwayne (Paul Band Ir)

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 733

**Licence No.:** Easting: 46,188.82

**Date Started:** 07 Nov 94

**Drilling Contractor:** Northing: 5,927,524.50

**Date Completed:** 08 Nov 94

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**Lithologic Description**

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**Well Use:** Domestic

**Type of Work:** New Well

**Drilling Method:** Rotary

**Completed Depth:** 54.9 m

**NPWL (m):** 30.5 m

**Verified NPWL (m):**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 28.0
- **Bottom (m):** 28.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Formation Seal

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**Liner:**

- **Type:** Plastic
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 26.5
- **Bottom (m):** 54.0

**Perforated How:** Saw

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**Screen:**

- **Material:** Plastic
- **OD (mm):**
- **from (m):**
- **to (m):**
- **Size:**

**Open Hole:**

- **from (m):**
- **to (m):**

**Pump:**

- **Model:** SSp4c02tl-02
- **Intake (m):** 44.2

**Testing:**

- **Rate (lpm):** 11.4
- **Time (minute):** 120.0
- **Level End (m):** 40.2
- **Drawdown (m):** 9.8
- **Rec'd Rate (lpm):** 44.2
- **Rec'd intake (m):** 9.1

**Laboratory:**

- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 25-052-03 W5M**

**Well Owner:** Rain, Keith (Paul Band Ir)

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Well Number:** 06799

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### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.3 m
- **NPWL (m):** 10.1
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 23.8
- **Bottom (m):** 23.8
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 21.9
- **Bottom (m):** 49.4
- **Perforated How:** Saw
- **from (m):** 23.8
- **to:** 49.4
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:

- **from (m):**

### Pump:

- **Model:** S5P4c02lt-02
- **Intake (m):** 35.0
- **Rate (lpm):** 11.4
- **Time (minute):** 120.0
- **Level End (m):** 29.0
- **Drawdown (m):** 18.9
- **Rec’d intake (m):** 35.0
- **Rec’d Rate (lpm):** 9.1

### Laboratory:

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<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**

### Aquifer Test:

- **No**
- **Project:**
- **Database:** 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Printed on 2/20/98*
**NW 26-052-03 W5M**

**Well Owner:** Railway Handimart  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Elevation (AMSL) (m):** 727  
**AEP:** 357392  
**Licence No.:** 43,382,282.00  
**Date Started:** 10 Apr 91  
**Date Completed:** 10 Apr 91

<table>
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<tr>
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<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
<th>Type</th>
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<td>703.0</td>
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### Lithologic Description

- **3.4** | 724.0 | Clay Yellow
- **6.4** | 721.0 | Shale Gray
- **8.2** | 719.1 | Sandstone
- **14.6** | 712.7 | Shale Gray
- **15.2** | 712.1 | Coal
- **17.1** | 710.3 | Shale Gray
- **18.6** | 708.8 | Sandstone
- **21.3** | 706.0 | Shale Gray
- **21.9** | 705.4 | Coal
- **24.4** | 703.0 | Shale Gray

### Laboratory:

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### Testing:

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<td>Drawdown (m)</td>
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<td>Rec'd Rate (lpm)</td>
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### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 18.3
- **Drawdown (m):** 13.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Electric Log:

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Printed on 2/20/98*
Well Number: 06825

**NE 01-052-04 W5M**

**Well Owner:** Burke Perry Homes

Drilling Contractor: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 752

**AEP:** 396805

**Licence No.:**

**Date Started:** 29 Jan 94

**Date Completed:** 29 Jan 94

**Easting:** 36,835.70

**Northing:** 5,921,779.00

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 40.8
- **Bottom (m):** 40.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 40.8

**Liner:**

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 38.7
- **Bottom (m):** 63.1

**Perforated How:** Saw

- **from (m):** 40.8 to 63.1
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:** Sub

- **Model:** S8sp4c01pr S/R
- **Intake (m):** 18.3

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 11.0
- **Drawdown (m):** 3.4
- **Rec'd intake (m):** 18.3
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Stock
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 15.2
- **Verified NPWL (m):**
- **Abandonment:**
- **Well Number:** 06826
- **Well Owner:** Coates, Murry
- **Drilling Contractor:** Chappell, W. Drilling

## Casing:
- **Type:** Steel
- **Depth (m):** 5.5
- **Bottom (m):** 5.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 5.5

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 4.6
- **Bottom (m):** 36.6

## Perforated How:
- **from (m):** 18.3 to 36.6
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 18.9
- **Rec'd Rate (lpm):** 13.7

## Laboratory:

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## Depth Elevation

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<td>771.9 Coal</td>
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<td>36.6</td>
<td>769.4 Shale Gray</td>
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</tbody>
</table>

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

.printed on 2/20/98
SW 06-052-04 W5M

Well Owner: Winnichuk, Steave
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Elevation (AMSL) (m): 803
AEP: 365122
Licence No.: 27,689.60
Date Started: 29 May 92
Easting: 5,920,597.00
Date Completed: 10 Sep 92

General:
- Type of Work: Deepened
- Drilling Method: Rotary
- Well Use: Stock
- Completed Depth: 100.3 m
- NPWL (m): 29.0
- Abandonment:
- Type: Plastic
- Depth (m): 32.3
- Bottom (m): 32.3
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 32.3
- Liner:
- Type: Driven
- OD (mm): 14.3
- Thickness (mm): 0.1
- Top (m): 27.1
- Bottom (m): 100.3
- Perforated How: Machine
- from (m): 39.3
- to 75.9
- Size:
- from (m): 82.0
- to 100.3
- Size:
- Screen:
- Material:
- OD (mm):
- from (m): to
- from (m): to
- Open Hole:
- from (m): to
- Pump:
- Model:
- Intake (m): 73.2
- Testing:
- Rate (lpm): 13.7
- Time (minute): 120.0
- Level End (m): 73.2
- Drawdown (m): 44.2
- Rec'd intakes (m): 70.1
- Rec'd Rate (lpm): 13.7

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- SAR
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- Mercury
- Nickel
- Selenium
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite
- Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 149.3 (m)
**NPWL (m):** 25.3  Verified NPWL (m):

**Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 62.2  **Bottom (m):** 62.2
- **OD (mm):** 139.7  **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 62.2

**Liner:**

- **Type:**
- **OD (mm):** 114.3  **Thickness (mm):** 0.1
- **Top (m):** 57.0  **Bottom (m):** 149.3

**Perforated How:** Machine
- **from (m):** to 106.7  **Size:**
- **from (m):** to 149.3  **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
  - **from (m):** to  Size:
  - **from (m):** to  Size:

**Open Hole:**

- **from (m):** to 

**Pump:** Sub

- **Model:** Goulds
- **Intake (m):** 137.2

**Testing:**

- **Rate (lpm):** 11.4  **Time (minute):** 240.0
- **Level End (m):** 121.9  **Drawdown (m):** 96.6
- **Rec'd intake (m):** 137.2  **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Hydroxide:**
- **Bicarbonate:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NW 24-052-04 W5M

Well Owner: Paul Band (Rain, Darlene)
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 06829
Elevation (AMSL) (m): 739
AEP: 364949
Licence No.: Easting: 35,451.60
Date Started: 20 Oct 95
Northing: 5,926,873.50
Date Completed: 23 Oct 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 51.5 (m)
NPWL (m): 14.6 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 40.2 Bottom (m): 40.2
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 40.2

Liner:
Type: Od (mm): 127.0 Thickness (mm): 0.1
Top (m): 37.8 Bottom (m): 50.6
Perforated How: Saw
from (m): 40.2 to 50.6 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Od (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: S5p4c02tl S/R Intake (m): 42.1

Testing:
Rate (lpm): 9.1 Time (minute): 120.0
Level End (m): 39.6 Drawdown (m): 2.4
Rec'd intake (m): 42.1 Rec'd Rate (lpm): 4.6

Laboratory:

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<td>TDS</td>
<td>TKN</td>
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<tr>
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<td>Nitrite</td>
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<td>TC</td>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
### Water Well Positioned by Mow-Tech in 10TM NAD 27

**Well Number**: 06830

**Well Owner**: Bills, Ken  
**Drilling Contractor**: Byrt, Stan & Sons Ltd.

| General: |  
|---|---|
| Type of Work: **Test Hole-Abandoned** |  
| Drilling Method: **Rotary** |  
| Well Use: **Domestic** |  
| Completed Depth: 90.5 (m) |  
| NPWL (m): |  
| Verified NPWL (m): |  
| Abandonment: **Bentonite Product** 09 Dec 93 |  

| Casing: |  
|---|---|
| Type: |  
| Depth (m): Bottom (m): |  
| OD (mm): Thickness (mm): |  
| Seal Type: from (m): to |  

| Liner: |  
|---|---|
| Type: |  
| OD (mm): Thickness (mm): |  
| Top (m): Bottom (m): |  
| Perforated How: from (m): to |  

| Screen: |  
|---|---|
| Material: |  
| OD (mm): |  
| from (m): to |  
| from (m): to |  

| Open Hole: |  
|---|---|
| from (m): to |  

| Pump: |  
|---|---|
| Model: |  
| Intake (m): |  

| Testing: |  
|---|---|
| Rate (lpm): |  
| Time (minute): |  
| Level End (m): Drawdown (m): |  
| Rec'd intake (m): Rec'd Rate (lpm): |  

| Laboratory: |  
|---|---|
| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

| Electric Log: **Yes** | Transmissivity: m²/day |
| Gamma Log: **No** | Storativity: |
| Aquifer Test: **No** |  
| Project: | Database: **1.000H** |
| AEP Data: **Yes** | Well Field Verified: **No** |

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Owner: Saulteaux, Gordon
Drilling Contractor: Midwest Water Well Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>3.7</td>
<td>754.4</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>7.6</td>
<td>750.5</td>
<td>Sand</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td>11.0</td>
<td>747.1</td>
<td>Clay</td>
</tr>
<tr>
<td>Completed Depth: 91.4 (m)</td>
<td>11.6</td>
<td>746.5</td>
<td>Coal</td>
</tr>
<tr>
<td>NPWL (m): 36.6</td>
<td>19.5</td>
<td>738.6</td>
<td>Shale Soft</td>
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<tr>
<td>Abandonment:</td>
<td>21.6</td>
<td>736.5</td>
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<tr>
<td>Casing:</td>
<td>30.8</td>
<td>727.3</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>Type: Steel</td>
<td>45.4</td>
<td>712.7</td>
<td>Sandstone</td>
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<tr>
<td>Depth (m): 34.1</td>
<td>45.7</td>
<td>712.4</td>
<td>Coal</td>
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<tr>
<td>Bottom (m): 34.1</td>
<td>46.3</td>
<td>711.8</td>
<td>Shale Brown</td>
</tr>
<tr>
<td>OD (mm): 139.7</td>
<td>47.2</td>
<td>710.9</td>
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<tr>
<td>Thickness (mm): 0.1</td>
<td>47.6</td>
<td>710.6</td>
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</tr>
<tr>
<td>Seal Type: Drive Shoe</td>
<td>48.2</td>
<td>709.9</td>
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</tr>
<tr>
<td>from (m): 34.1</td>
<td>50.0</td>
<td>708.1</td>
<td>Shale Gray</td>
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<tr>
<td>Liner:</td>
<td>53.0</td>
<td>705.1</td>
<td>Sandstone</td>
</tr>
<tr>
<td>Type: Drive Shoe</td>
<td>56.1</td>
<td>702.0</td>
<td>Shale</td>
</tr>
<tr>
<td>OD (mm): 114.3</td>
<td>57.9</td>
<td>700.2</td>
<td>Sandstone</td>
</tr>
<tr>
<td>Thickness (mm): 0.1</td>
<td>67.4</td>
<td>690.7</td>
<td>Shale</td>
</tr>
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<td>Top (m): 30.5</td>
<td>68.0</td>
<td>690.1</td>
<td>Coal</td>
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<td>Bottom (m): 91.4</td>
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<td>Perforated How: Hand Drill</td>
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<td>from (m): 67.1</td>
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<td>Coal</td>
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<td>to 91.4</td>
<td>89.0</td>
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<td>91.4</td>
<td>666.7</td>
<td>Shale</td>
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<td>Material:</td>
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<tr>
<td>OD (mm):</td>
<td>91.4</td>
<td></td>
<td></td>
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<tr>
<td>from (m):</td>
<td>91.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>to</td>
<td>91.4</td>
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</tr>
<tr>
<td>Open Hole:</td>
<td>91.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>91.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>to</td>
<td>91.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
<td>91.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model:</td>
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<tr>
<td>Intake (m):</td>
<td>91.4</td>
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<td></td>
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</tr>
<tr>
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<td>91.4</td>
<td>Drawdown (m): 54.9</td>
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<td>Time (minute): 120.0</td>
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<tr>
<td>Rec’d intake (m):</td>
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<td></td>
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<tr>
<td>Rec’d Rate (lpm): 13.7</td>
<td>91.4</td>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 27-052-04 W5M**

Well Owner: Bearhead, Vernon #Paul Band  
Drilling Contractor: Marwayne Water Well Drilling Services Lt

<table>
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<th>Well Number</th>
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<td>357760</td>
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<td>33,504.20</td>
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<td>Date Started:</td>
<td>19 Sep 84</td>
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<td>Date Completed:</td>
<td>20 Sep 84</td>
</tr>
<tr>
<td>Easting:</td>
<td>5,927,999.00</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 1.8 Verified NPWL (m):  
- **Abandonment:** 

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 43.3  
- **Bottom (m):** 43.3  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 43.3

**Liner:**
- **Type:** 
- **OD (mm):** 
- **Thickness (mm):** 
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to 
- **Size:** 
- **from (m):** to 
- **Size:** 
- **from (m):** to 
- **Size:**

**Screen:**
- **Material:** 
- **OD (mm):** 
- **Thickness (mm):** 
- **Top (m):** Bottom (m):  
- **Open Hole:** 
- **from (m):** 
- **Pump:** 
- **Model:** 
- **Intake (m):** 24.4

**Testing:**
- **Rate (lpm):** 136.8  
- **Time (minute):** 120.0  
- **Level End (m):** 24.4  
- **Drawdown (m):** 22.6  
- **Rec'd Rate (lpm):** 
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):** 
- **Cond. (µS/cm):** 
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TKN:** Selenium  
- **Nitrate:** Molybdenum  
- **Molybdenum:** Vanadium  
- **Zinc:**  
- **Hydroxide:**  
- **Total Hardness:**  
- **Manganese:**  
- **Phosphate:**  
- **Ion Balance:**  
- **Amm. Nitrogen:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitrates&Nitrite:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 06833

**Well Owner:** Wabamun Lake (G1)

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 733  
**AEP:** 379583  
**Licence No.:** Easting: 27,341.49  
**Date Started:** Northing: 5,928,136.72  
**Date Completed:** 13 Feb 75

### General:

- **Type of Work:** Piezometer  
- **Well Use:** Investigation  
- **Completed Depth:** 36.6 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:

- **Type:** Plastic  
- **Depth (m):** 36.6  
- **Bottom (m):** 36.6  
- **OD (mm):** 25.4  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  

### Liner:

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Open Hole:

- **from (m):** to  

### Pump:

- **Model:**  
- **Intake (m):**

### Testing:

- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:

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<thead>
<tr>
<th>Chemical Constituents</th>
<th>COD</th>
<th>pH (pH unit)</th>
<th>Bicarbonate</th>
<th>pH (pH unit)</th>
<th>Bicarbonate</th>
<th>pH (pH unit)</th>
<th>Bicarbonate</th>
<th>pH (pH unit)</th>
<th>Bicarbonate</th>
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</thead>
<tbody>
<tr>
<td>Chemical Constituents</td>
<td>Mercury</td>
<td>SAR</td>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
<td>Calcium</td>
</tr>
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<td>Chemical Constituents</td>
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<td>Chemical Constituents</td>
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<td>Lead</td>
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<tr>
<td>Chemical Constituents</td>
<td>Nitrate &amp; Nitrite N</td>
<td></td>
<td></td>
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</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**NW 30-052-04 W5M**

**Well Owner:** Byers, R. Douglas  
**Drilling Contractor:** Unknown Driller

**General:**  
*Type of Work:* Chemistry  
*Drilling Method:* Not Applicable  
*Well Use:* Domestic

<table>
<thead>
<tr>
<th>Completed Depth (m)</th>
<th>NPWL (m)</th>
<th>Verified NPWL (m):</th>
<th>Abandonment:</th>
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<tbody>
<tr>
<td>11.0</td>
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</tbody>
</table>

**Casing:**  
*Type:*  
*Depth (m):*  
*OD (mm):*  
*OD (mm):*  
*Seal Type:*  
*Elevation (AMSL) (m):*  
*Type:*  
*Bottom (m):*  
*Thickness (mm):*  
*OD (mm):*  
*Top (m):*  
*Bottom (m):*  
*Perforated How:*  
*Size:*  
*Size:*  
*Size:*  

**Liner:**  
*Type:*  
*OD (mm):*  
*Thickness (mm):*  
*Top (m):*  
*Bottom (m):*  

**Screen:**  
*Material:*  
*OD (mm):*  
*Size:*  
*Size:*  

**Open Hole:**  
*from (m):*  
*to (m):*  

**Pump:**  
*Model:*  
*Intake (m):*  

**Testing:**  
*Rate (lpm):*  
*Time (minute):*  
*Level End (m):*  
*Drawdown (m):*  
*Rec'd intake (m):*  
*Rec'd Rate (lpm):*  

**Laboratory:**  
*pH (pH unit):* COD  
*Cond. (µS/cm):* SAR  
*TDS:* TKN  
*Sodium:* Nitrate  
*Potassium:* Nitrite  
*Calcium:* TN  
*Magnesium:* TC  
*Carbonate:* DIC  
*Bicarbonate:* Arsenic  
*Aluminum:* Barium  
*Sulphate:* Beryllium  
*Chloride:* Cadmium  
*Fluoride:* Chromium  
*Iron:* Cobalt  
*TOC:* Copper  
*Silica:* Lead  

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit): COD Mercury</td>
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<tr>
<td>Cond. (µS/cm): SAR Nickel</td>
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<td>TDS: TKN: Sodium Nitrate Strontium</td>
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<tr>
<td>Potassium: Nitrite Molybdenum</td>
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<tr>
<td>Calcium: TN: Magnesium</td>
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<tr>
<td>Magnesium: TC: Zinc</td>
</tr>
<tr>
<td>Carbonate: DIC: Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate: Arsenic: Total Hardness</td>
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<tr>
<td>Aluminum: Barium: Manganese</td>
</tr>
<tr>
<td>Sulphate: Beryllium: Phosphate</td>
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<tr>
<td>Chloride: Cadmium: Ion Balance</td>
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<td>Fluoride: Chromium: Amm. Nitrogen</td>
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<tr>
<td>Iron: Cobalt: Total Phosphate</td>
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<tr>
<td>TOC: Copper: Total Alkalinity</td>
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<tr>
<td>Silica: Lead: Nitrate&amp;Nitrite N</td>
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</table>

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m):** Lithologic Description

(NO Lithologic Information Available)

**Electric Log:** No  
**Transmissivity:**  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Printed on:** 2/20/98
**Well Number** 06835

**Well Owner:** Byers, R. Douglas  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 728  
**AEP:** 356896

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<th>Licence No.</th>
<th>Date Started</th>
<th>Northing</th>
<th>Date Completed</th>
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<tbody>
<tr>
<td></td>
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</table>

**Well Use:** Domestic

**Type of Work:** Chemistry

**Drilling Method:** Not Applicable

**Completed Depth:** 29.0 (m)  
**NPWL (m):**  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**

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<th>Depth (m):</th>
<th>Bottom (m):</th>
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<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<tr>
<th>Seal Type</th>
<th>from (m):</th>
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**Liner:**

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<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<table>
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<th>Top (m):</th>
<th>Bottom (m):</th>
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**Perforated How:**

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<th>to</th>
<th>Size:</th>
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**Screen:**

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**Open Hole:**

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**Pump:**

<table>
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**Testing:**

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**Lab:**

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<th>Mercury</th>
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<th>Nickel</th>
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<th>Strontium</th>
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<th>Hydroxide</th>
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<th>Arsenic</th>
<th>Total Hardness</th>
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<th>Sulphate</th>
<th>Beryllium</th>
<th>Phosphate</th>
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<th>Ion Balance</th>
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<th>Lead</th>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Printed on 2/20/98*
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

**Completed Depth:** (m) 
NPWL (m): Verified NPWL (m):

**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on 2/20/98**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 25.3 m
- **NPWL (m):** 4.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 17.7

**Liner:**
- **Type:**
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Top (m):**
- **Bottom (m):** 29.0
- **Perforated How:** Machine
- **from (m):** 18.9 to 25.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 12.2
- **Testing:**
  - **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
  - **Level End (m):**
  - **Rec'd Intake (m):**
  - **Rec'd Rate (lpm):** 45.6

**Laboratory:**

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<td>TDS</td>
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<td>Molybdenum</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 30-052-04 W5M**

**Well Owner:** Bartkus, Peter #East Well

**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Elevation (AMSL) (m):</strong> 729</td>
<td><strong>Clay</strong></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>AEP:</strong> 365469</td>
<td><strong>Coal</strong></td>
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<tr>
<td><strong>Completed Depth</strong> 58.8</td>
<td><strong>Licence No.:</strong> Easting: 28,409.31</td>
<td><strong>Shale &amp; Coal</strong></td>
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<tr>
<td><strong>NPWL (m):</strong> 4.9</td>
<td><strong>Date Started:</strong> 14 May 92</td>
<td><strong>Shale Sandy</strong></td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td><strong>Northing:</strong> 5,927,541.50</td>
<td><strong>Sandstone Gray</strong></td>
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**Casing:**

- **Type:** Plastic
- **Depth (m):** 30.5
- **Bottom (m):** 30.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1

**Seal Type:** Driven

- **from (m):** to 30.5

**Liner:**

- **Type:** Driven
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 28.4
- **Bottom (m):** 58.8

**Perforated How:** Machine

- **from (m):** to 58.8
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Goulds 5g05412
- **Intake (m):** 51.8

**Testing:**

- **Rate (lpm):** 20.5
- **Time (minute):** 120.0
- **Level End (m):** 51.8
- **Drawdown (m):** 46.9
- **Rec'd intake (m):** 51.8
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**

- **pH (pH unit):** COD: Mercury
- **Cond. (µS/cm):** SAR: Nickel
- **TDS:** TKN: Selenium
- **Sodium:** Nitrate: Strontium
- **Potassium:** Nitrite: Molybdenum
- **Calcium:** TN: Vanadium
- **Magnesium:** TC: Zinc
- **Carbonate:** DIC: Hydroxide
- **Bicarbonate:** Arsenic: Total Hardness
- **Aluminium:** Barium: Manganese
- **Sulphate:** Beryllium: Phosphate
- **Chloride:** Cadmium: Ion Balance
- **Fluoride:** Chromium: Amm. Nitrogen
- **Iron:** Cobalt: Total Phosphate
- **TOC:** Copper: Total Alkalinity
- **Silica:** Lead: Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**project on 2/20/98**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 58.8 m
- **NPWL (m):** 4.6
- **Verfied NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):**
- **to:** 32.0

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.8
- **Bottom (m):** 58.8
- **Perforated How:** Machine
- **from (m):**
- **to:** 58.8
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Goulds 5g05412
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 120.0
- **Level End (m):** 54.9
- **Drawdown (m):** 50.3
- **Rec'd Rate (lpm):** 54.9
- **Rec'd intake (m):** 9.1

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lab:**

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<td>Nickel</td>
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<td>Cond. (µS/cm)</td>
<td>TDS</td>
<td>Selenium</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number: 06839**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>2.1</td>
<td>727.3</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>6.4</td>
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<tr>
<td>12.2</td>
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<td>20.4</td>
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<td>58.8</td>
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</table>

**Elevation (AMSL) (m):** 729
**AEP: 365452**
**Licence No.:**
**Date Started:** 15 May 92
**Date Completed:** 15 May 92
**Easting:** 28,409.31
**Northing:** 5,927,541.50

**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 45.7 (m)
- **NPWL:** 2.4
- **Abandonment:** Unknown, 26 Jul 91

### Casing:
- **Type:** Steel
  - **Depth (m):** 6.4
  - **Bottom (m):** 6.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 6.4

### Liner:
- **Type:** Driven
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 42.7

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Gunfos
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 21.9
- **Rec'd intake (m):** 32.0

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
  - **Material:**
  - **OD (mm):**
  - **Size:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Verified:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)  
  NPWL (m): 13.4  
  Verified NPWL (m): Abandonment:

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 24.4  
  Bottom (m): 24.4
- **OD (mm):** 114.3  
  Thickness (mm): 0.1
- **Seal Type:** Driven
  from (m): to 24.4

**Liner:**
- **Type:**
  - OD (mm): Thickness (mm):
    - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Jacuzzi
  - Intake (m): 21.3

**Testing:**
- **Rate (lpm):** 34.2  
  Time (minute): 360.0
- **Level End (m):** 16.1  
  Drawdown (m): 2.7
- **Rec'd intake (m):** 21.3  
  Rec'd Rate (lpm): 68.4

**Laboratory:**
- **pH (pH unit):**
  - COD: Mercury
  - SAR: Nickel
  - TDS: TKN: Selenium
  - Sodium: Nitrate: Strontium
  - Potassium: Nitrite: Molybdenum
  - Calcium: TN: Vanadium
  - Magnesium: TC: Zinc
  - Carbonate: DIC: Hydroxide
  - Bicarbonate: Arsenic: Total Hardness
  - Aluminium: Barium: Manganese
  - Sulphate: Beryllium: Phosphate
  - Chloride: Cadmium: Iron Balance
  - Fluoride: Chromium: Amm. Nitrogen
  - Iron: Cobalt: Total Phosphate
  - TOC: Copper: Total Alkalinity
  - Silica: Lead: Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number:** 06841  
**Elevation (AMSL) (m):** 816  
**AEP:** 352253  
**Licence No.:** Easting: 17,457.58  
**Date Started:** Northing: 5,921,513.00  
**Date Completed:** 30 Jun 90  
**Project:** 1.000H  
**Database:** Yes  
**Well Field Verified:** No  
**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation** (BGL) (AMSL)
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<th>Lithologic Description</th>
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<tbody>
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<td>Sandstone Gray</td>
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<td>18.3</td>
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<td>Shale Gray</td>
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<tr>
<td>23.2</td>
<td>792.6</td>
<td>Shale &amp; Sandstone Gray</td>
</tr>
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<tr>
<td>36.6</td>
<td>779.2</td>
<td>Coal</td>
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</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
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<th>Gamma Log</th>
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<td>Silica</td>
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</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
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<td></td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL (m):** 9.6
- **Abandonment:**
- **Casing:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 30.5
  - **Bottom (m):** 30.5
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 29.9
- **Liner:**
  - **Type:**
  - **OD (mm):**
  - **Top (m):**
  - **Bottom (m):**
  - **Perforated How:**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:** Sub
  - **Model:**
  - **Intake (m):** 30.5
- **Testing:**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 120.0
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):** 27.4
  - **Rec'd Rate (lpm):** 27.4

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Bicarbonate:**
- **Alumium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 10-052-05 W5M**

Well Owner: **Ketchion, Thomas**
Drilling Contractor: **Morrill’s Water Well Drilling Ltd.**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 45.1 m
- **NPWL (m):** 23.2
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 30.5
  - **Bottom (m):** 30.5
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 30.5
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 26.8
  - **Bottom (m):** 45.1
- **Perforated How:** Machine
  - **from (m):** 30.5 to 45.1
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:** Sub
  - **Model:** Gould
  - **Intake (m):** 39.6
- **Testing:**
  - **Rate (lpm):** 54.7
  - **Time (minute):** 120.0
  - **Level End (m):** 33.5
  - **Drawdown (m):** 10.4
  - **Rec’d intake (m):** 39.6
  - **Rec’d Rate (lpm):**

**Depth Elevation (BGL) (AMSL) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>3.7</td>
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<td>45.1</td>
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</table>

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Bicarbonate:**
- **Carbonate:**
- **Alkalinity:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lab:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Cadmium:**
- **Cadium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  **Transmissivity:** m³/day
- **Gamma Log:** No  **Storativity:**
- **Aquifer Test:** No  **AEP Data:** Yes  **Database:** 1.000H
- **Project:**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 06844**

- **Elevation (AMSL) (m):** 807
- **AEP:** 356006
- **Date Started:** 22 Feb 91
- **Easting:** 22,323.81
- **Licence No.:** Easting: 5,923,223.00
- **Northing:** 22 Feb 91
- **Date Completed:** 22 Feb 91
### General:
- **Type of Work:** Piezometer  
- **Drilling Method:** Unknown  
- **Well Use:** Investigation  
- **Completed Depth:** 44.2 (m)  
  - NPWL (m): Verified  
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 43.6
  - **Bottom (m):** 43.6
  - **OD (mm):** 25.4
  - **Thickness (mm):**
  - **Seal Type:**
    - **from (m):**
    - **to:**
  - **Liner:**
    - **Type:**
    - **OD (mm):**
    - **Thickness (mm):**
    - **Top (m):**
    - **Bottom (m):**
  - **Perforated How:**
    - **from (m):**
    - **to:**
    - **Size:**
    - **from (m):**
    - **to:**
    - **Size:**
  - **Screen:**
    - **Material:**
    - **OD (mm):**
    - **Thickness (mm):**
    - **from (m):**
    - **to:**
  - **Open Hole:**
    - **from (m):**
    - **to:**
  - **Pump:**
    - **Model:**
    - **Intake (m):**
  - **Testing:**
    - **Rate (lpm):**
    - **Time (minute):**
    - **Level End (m):**
    - **Drawdown (m):**
    - **Rec'd intake (m):**
    - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

| Chemical Constituent | COD | Mercury | SAR | Nickel | TKN | Selenium | Nitrate | Strontium | Nitrite | Molybdenum | TN | Vanadium | TC | Zinc | DIC | Hydroxide | Arsenic | Total Hardness | Barium | Manganese | Beryllium | Phosphorus | Cadmium | Ion Balance | Chromium | Amm. Nitrogen | Cobalt | Total Phosphate | Copper | Total Alkalinity | Lead | Nitrate & Nitrite N |
|----------------------|-----|---------|-----|--------|-----|----------|---------|-----------|---------|-------------|-----|----------|-----|------|-----|-----------|---------|------------------|---------|-------------|---------|-------------|---------|--------------|--------|-----------------|--------|-------------------|--------|------------------|

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

### Lithologic Description
- **Depth (m):** 4.0  
- **Elevation (BGL) (m):** 3.7  
- **Clay Gray**
- **Shale Bluish Green**
- **Shale Gray**
- **Shale Light Green**
- **Coal**
- **Shale Light Blue**
- **Shale Light Gray**
- **Shale Dark Green**
- **Shale Light Green**
- **Shale Light Gray**
- **Shale Light Blue**
- **Sandstone Fine Grained Light G**
- **Sandstone Fine Grained Light G**
- **Rocks Hard**
- **Sandstone Fine Grained Light G**
- **Sandstone Fine Grained Light G**
- **Sandstone Fine Grained Light G**
- **Rocks Hard**
- **Sandstone Fine Grained Light G**
- **Sandstone Fine Grained Light G**
- **Sandstone Light Gray**
- **Sandstone Fine Grained Light G**
- **Sandstone Fine Grained Light G**
- **Coal**

### Transmissivity:
- **Electric Log:** No  
- **Gamma Log:** No  
- **Aquifer Test:** No  
- **Database:** Project: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Printing Information:
- **Printed on:** 2/20/98
**04-15-052-05 W5M**

**Well Owner:** Alta Env #1340e  
**Drilling Contractor:** Alberta Environment

**Well Number:** 06846  
**Elevation (AMSL) (m):** 822  
**AEP:** 401605  
**Easting:** 22,473.66  
**Date Started:** 22 Oct 75  
**Northing:** 5,923,657.29  
**Date Completed:**

### General:
- **Type of Work:** Piezometer  
- **Well Use:** Investigation  
- **Completed Depth:** 29.0 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:** Plugged 15 Jan 76

### Casing:
- **Type:** Plastic  
- **Depth (m):** 28.0  
- **Bottom (m):** 28.0  
- **OD (mm):** 25.4  
- **Thickness (mm):**  
- **Seal Type:** Unknown  
- **from (m):** to

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):** 28.0

### Screen:
- **Material:** Un  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Yes** Transmissivity: m²/day
- **Yes** Storativity:

### Gamma Log:
- **Yes** Storativity:

### Aquifer Test:
- **No**

### Project:
- **Database: 1.000H**

### AEP Data:
- **Yes** Well Field Verified: No

**Remarks:** Water Well Positioned by Mow-Tech in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

*Printed on 2/20/98*
Well Number: 06847

Well Owner: Albrecht, E.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 775
Licence No.: 356897
Date Started: 
Date Completed: 

Well Number: NW 16-052-05 W5M

Well Use: Domestic

Type of Work: Chemistry
Not Applicable

Completed Depth: 48.8 (m)

NPWL (m): 
Verified NPWL (m):

Abandonment:

Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):

Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm), Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No

Database: Project: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 16-052-05 W5M**

**Well Owner:** Copper, Allen  
**Drilling Contractor:** Sunshine Drilling Ltd.

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<td><strong>Well Use:</strong></td>
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<td><strong>from (m):</strong></td>
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<td>to Size:</td>
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<td><strong>from (m):</strong></td>
<td>to Size:</td>
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<td><strong>SAR:</strong></td>
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<tr>
<td><strong>TDS:</strong></td>
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</tr>
<tr>
<td><strong>TDS:</strong></td>
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<td><strong>Carbonate:</strong></td>
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Water Well Positioned by PFRA in 10TM NAD 27
**NE 18-052-05 W5M**

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 27.4 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Lab:**

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| AEP Data: Yes         | Well Field Verified: No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 06849
- **Elevation (AMSL) (m):** 811
- **Easting:** 18,743.33
- **Northing:** 5,924,830.50
- **Licence No.:** 364612
- **Drilling Contractor:** Unknown Driller
- **Date Started:**
- **Date Completed:**

**Database:** Project: 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 30.5 (m)
- **NPWL (m):** 8.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 139.7
- **Thicknness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 18.3

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 16.5
- **Bottom (m):** 30.5
- **Perforated How:** Machine
- **from (m):** to 30.5
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Goulds
- **Intake (m):** 24.4

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 18.3
- **Drawdown (m):** 9.4
- **Rec'd intake (m):** 24.4

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Nitrates & Nitrites:**
- **Chromium:**
- **Cobalt:**
- **Cadmium:**
- **Phosphorus:**
- **Strontium:**
- **Magnesium:**
- **Iron:**
- **Zinc:**
- **Calcium:**
- **Magnesium:**
- **Sodium:**
- **Chloride:**
- **Sulphate:**
- **Bicarbonate:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 35.4 (m)
- **NPWL (m):** 21.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth:** 24.4 (m) Bottom (m): 24.4
- **OD (mm):** 152.4 Thickness (mm): 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 24.4

**Liner:**

- **Type:**
- **OD (mm):** 114.3 Thickness (mm): 0.1
- **Top (m):** 22.9 Bottom (m): 35.4
- **Perforated How:** Saw
  - **Size:**
  - **from (m):** to 35.0
  - **from (m):** to
  - **from (m):** to

**Screen:**

- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 35.4

**Testing:**

- **Rate (lpm):** 68.4 Time (minute): 120.0
- **Level End (m):** 28.0 Drawdown (m): 6.1
- **Rec’d intake (m):** 30.5 Rec’d Rate (lpm): 22.8

**Laboratory:**

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<tr>
<th>Chemical Constituents</th>
<th>Unit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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**Electric Log:**

- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

**AEP Data:** Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

Printed on 2/20/98
13-22-052-05 W5M

Well Owner: Arc Th#75-74, 485
Drilling Contractor: Unknown Driller

Well Number: 06852

Elevation (AMSL) (m): 792
AEP: 368721
Licence No.: Easting: 22,467.66
Date Started: Northing: 5,926,487.68
Date Completed: 19 Sep 74

General:
Type of Work: Coal Test Hole
Drilling Method: Unknown
Well Use: Other
Completed Depth: 278.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminium: Barium Manganese
Sulphate: Beryllium Phosphorus
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrile N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 23.5 (m)
- **NPWL (m):** 7.6
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 11.3
- **Bottom (m):** 11.3
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 11.3

### Liner:
- **Type:** Driven
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 23.5

### Perforated How:
- **Torch**
- **from (m):** 11.3 to 23.5
- **Size:**
  - from (m): to
  - from (m): to
  - from (m): to

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to
  - from (m): to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 23.5

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 27.4

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Selenium:** Strontium
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminium:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**

### Electric Log:
- **Yes**
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation

### Casing:

- **Type:** Steel
- **Depth (m):** 13.1
- **Bottom (m):** 23.2
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1

### Seal Type:

- **Type:** Driven
- **from (m):** 728.1
- **to:** 13.1

### Liner:

- **Type:**Torched
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Top (m):** 726.5
- **Bottom (m):** 23.2

### Perforated How:

- **Size:** from (m): 724.1
- **to:** 10.7

### Screen:

- **Material:**
- **OD (mm):** from (m): 719.8
- **to:** 14.6
- **Bottom (m):** 10.7

### Open Hole:

- **from (m):** 718.9
- **to:** 23.2

### Pump:

- **Model:**
- **Intake (m):** 23.2
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Rec'd intake (m):** 18.3
- **Rec'd Rate (lpm):** 18.2

### Laboratory:

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrile
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:

- **Transmissivity:** 1.000H
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation (AMSL) (m):** 731
**AEP:** 362045
**Licence No.:** Easting: 26,665.37
**Date Started:** 25 Sep 91
**Northing:** 5,928,129.50
**Date Completed:** 25 Sep 91
**NE 25-052-05 W5M**

**Well Number:** 06855

**Well Owner:** Trans Alta 1

**Elevation (AMSL) (m):** 731

**AEP:** 362044

**Licence No.:**

**Date Started:** 23 Sep 91

**Easting:** 26,665.37

**Drilling Contractor:** Midwest Water Well Ltd.

**Northing:** 5,928,129.50

**Date Completed:** 23 Sep 91

---

**General:**

Type of Work: **Test Hole**

Drilling Method: **Rotary**

Well Use: **Observation**

Completed Depth: 21.6 (m)

NPWL (m): 4.6  Verified NPWL (m):

Abandonment:

**Casing:**

Type: **Steel**

Depth (m): 2.1  Bottom (m): 2.1

OD (mm): 177.8  Thickness (mm): 0.1

Seal Type: **Driven**

from (m): to 2.1

**Liner:**

Type:

OD (mm): 141.2  Thickness (mm): 0.1

Top (m): Bottom (m): 21.6

**Perforated How:**

**Torch**

from (m): to 16.5  Size:

from (m): to Size:

from (m): to Size:

**Screen:**

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

**Open Hole:**

from (m): to

---

**Pump:**

Model:

Intake (m): 21.6

**Testing:**

Rate (lpm): 36.5  Time (minute): 120.0

Level End (m): 21.6  Drawdown (m): 17.1

Rec’d intake (m): 18.3  Rec’d Rate (lpm): 36.5

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**Laboratory:**

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<th>Mercury</th>
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Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

Printed on 02/20/98
**General:**

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<thead>
<tr>
<th>Type of Work:</th>
<th>Test Hole</th>
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<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
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<td>Well Use:</td>
<td>Observation</td>
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<th>21.3 (m)</th>
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Abandonment:

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<td>from (m):</td>
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<td>to</td>
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<tr>
<th>Pump:</th>
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<tr>
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<td>Intake (m):</td>
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<th>Testing:</th>
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<tbody>
<tr>
<td>Rate (lpm):</td>
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<td>Time (minute):</td>
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<td>Drawdown (m):</td>
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<td>Rec’d intake (m):</td>
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<td>Rec’d Rate (lpm):</td>
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<td>Silica</td>
<td>Lead</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

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<td>(m)</td>
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<td>16.8</td>
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<tr>
<td>21.3</td>
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**Electric Log:** Yes  **Transmissivity:** m²/day

**Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **TOC**

**AEP Data:** Yes  **Well Field Verified:** No

**Project:** Database: 1.000H
**NW 25-052-05 W5M**

**Well Owner:** Trans Alta Obs Well 3  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 733  
**Licence No.:** Easting: 25,858.22  
**AEP:** 362042  
**Date Started:** 26 Sep 91  
**Notching:** 5,928,133.50  
**Date Completed:** 26 Sep 91

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<tr>
<td>23.2</td>
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<td>Shale</td>
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**General:**
- **Type of Work:** Test Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Observation  
- **Completed Depth:** 23.2 (m)  
- **NPWL (m):** 9.1  
- **Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 12.8  
- **Bottom (m):** 12.8  
- **OD (mm):** 177.8  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 12.8  
- **to** 12.8

**Liner:**
- **Type:** Driven  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Top (m):** 23.2  
- **Bottom (m):** 23.2

**Perforated How:** Torch  
- **from (m):** 12.2  
- **to** 23.2  
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 23.2

**Testing:**
- **Rate (lpm):** 9.1  
- **Time (minute):** 120.0  
- **Level End (m):** 23.2  
- **Drawdown (m):** 14.0  
- **Rec'd intake (m):** 19.8  
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **DIC:**
- **Bicarbonate:**
- **Barium:**
- **Beryllium:**
- **Beryllium:**
- **Chloride:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Silica:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Total Alkalinity:**
- **Total Alkalinity:**
- **Total Alkalinity:**
- **Total Alkalinity:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Piezometer
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 41.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth:** 40.8 m
- **OD (mm):** 25.4
- **Thickness (mm):**
- **Seal Type:** Unknown
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** Un
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Dataset: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

#### Completed Depth:
- **24.4 m** NPWL (m): Verified NPWL (m):

#### Abandonment:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**printed on 2/20/98**
### General:

- **Type of Work:** Piezometer
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth (m):** 42.7
- **NPWL (m):** Unknown
- **Abandonment:** 21 Oct 76

### Casing:

- **Type:** Plastic
  - **Depth (m):** 42.1
  - **Bottom (m):** 42.1
- **OD (mm):** 25.4
- **Seal Type:** from (m): to

### Liner:

- **Type:** Unknown
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:** from (m): to Size:
- **Open Hole:** from (m): to

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Molybdenum:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)
- **NPWL (m):** 9.4
- **Verfied NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 37.5
- **Bottom (m):** 37.5
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 37.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 36.6
- **Bottom (m):** 61.0

**Perforated How:** Machine
- **from (m):** 36.6 to 61.0
- **Size:**
- **from (m):** 36.6 to 61.0
- **Size:**
- **from (m):** 36.6 to 61.0
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 39.6

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 600.0
- **Level End (m):**
- **Drawdown (m):** 24.1
- **Rec'd intake (m):** 39.6
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COND. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
## SE 34-052-05 W5M

**Well Owner:** Mulcahy, Bob

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 m
- **NPWL (m):** 16.8
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 139.7
- **Thickmess (mm):** 0.1
- **Seal Type:** Driven
- **from (m):**
- **to:** 36.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 33.5
- **Bottom (m):** 64.0
- **Perforated How:** Machine
- **from (m):** 45.7
- **to:** 64.0

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Thickness:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 16.0
- **Time (minute):** 120.0
- **Level End (m):** 54.9
- **Drawdown (m):** 38.1
- **Rec’d intake (m):** 57.9
- **Rec’d Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Chromium:**
- **Barium:**
- **Manganese:**
- **Aluminum:**
- **Sodium:**
- **Potassium:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Deuterium:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation (AMSL) (m):** 728
- **AEP:** 365831
- **Licence No.:**
- **Easting:** 23,707.84
- **Date Started:** 14 Aug 92
- **Northing:** 5,929,350.00
- **Date Completed:** 14 Aug 92
**SE 34-052-05 W5M**

**Well Number: 06864**

**Well Owner:** Smith, Rick  
**Drilling Contractor:** Clear Water Drilling Ltd.

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<th>General</th>
<th>Well Number: 06864</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Elevation (AMSL) (m):</strong> 727</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>AEP:</strong> 358737</td>
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| **Well Use:** Domestic | **Licence No.:**  
| **Completed Depth:** 67.1 (m) | **Easting:** 23,382.76 |
| **NPWL (m):** 12.5 Verified NPWL (m): | **Northing:** 5,929,273.50 |
| **Abandonment:** | **Date Started:** 12 Nov 90 |

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<td><strong>Type:</strong> Steel</td>
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<tr>
<td><strong>Depth (m):</strong> 42.7</td>
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<tr>
<td><strong>Bottom (m):</strong> 42.7</td>
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<tr>
<td><strong>OD (mm):</strong> 141.2</td>
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<td><strong>Thickness (mm):</strong> 0.1</td>
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<td><strong>Seal Type:</strong> Driven</td>
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<td>from (m): to 42.7</td>
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<table>
<thead>
<tr>
<th>Liner</th>
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<tbody>
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<td><strong>Type:</strong> Steel</td>
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<tr>
<td><strong>OD (mm):</strong> 114.3</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<tr>
<td><strong>Top (m):</strong> 42.1</td>
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<tr>
<td><strong>Bottom (m):</strong> 67.1</td>
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<th>Screen</th>
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<tr>
<td><strong>OD (mm):</strong></td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
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<table>
<thead>
<tr>
<th>Open Hole</th>
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<tbody>
<tr>
<td><strong>from (m):</strong></td>
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<thead>
<tr>
<th>Pump</th>
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<tbody>
<tr>
<td><strong>Model:</strong> Jacuzzi</td>
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<tr>
<td>Intake (m):</td>
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<th>Testing</th>
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<tr>
<td><strong>Rate (lpm):</strong> 9.1</td>
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<td><strong>Time (minute):</strong> 1200.0</td>
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<td><strong>Level End (m):</strong> 33.2</td>
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<td><strong>Drawdown (m):</strong> 20.7</td>
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<td><strong>Rec'd Rate (lpm):</strong> 45.7</td>
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<td><strong>Rec'd intake (m):</strong></td>
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<td><strong>pH (pH unit):</strong></td>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>TDS:</strong></td>
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<td><strong>Sodium:</strong></td>
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<tr>
<td><strong>Potassium:</strong></td>
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<tr>
<td><strong>Calcium:</strong></td>
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<tr>
<td><strong>Magnesium:</strong></td>
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<tr>
<td><strong>Carbonate:</strong></td>
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<td><strong>Bicarbonate:</strong></td>
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<td><strong>Aluminum:</strong></td>
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<tr>
<td><strong>Sulphate:</strong></td>
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<td><strong>Iron:</strong></td>
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<tr>
<td><strong>TOC:</strong></td>
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<tr>
<td><strong>Silica:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>COD:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SAR:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TKN:</strong></td>
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<td><strong>Calcium Nitrite:</strong></td>
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<td><strong>Magnesium Sulphate:</strong></td>
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<td><strong>Beryllium Chloride:</strong></td>
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<td><strong>Chromium Iron:</strong></td>
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<td><strong>Cobalt TOC:</strong></td>
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<tr>
<td><strong>Copper Silica:</strong></td>
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<tr>
<td><strong>Lead Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
<td></td>
</tr>
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<table>
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<tr>
<th>Remarks</th>
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<tbody>
<tr>
<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**SE 34-052-05 W5M**

**Well Owner:** Smith, Ron

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>724</th>
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<tbody>
<tr>
<td>AEP:</td>
<td>351293</td>
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<td>Licence No.:</td>
<td>23,581.42</td>
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<td>Date Started:</td>
<td>11 May 90</td>
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<tr>
<td>Northing:</td>
<td>5,929,318.00</td>
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<tr>
<td>Date Completed:</td>
<td>14 May 90</td>
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</table>

**Well Number:** 06865

**Well Use:** Domestic

**Completed Depth:** 65.2 (m)

**NPWL (m): 22.9**

**Verified NPWL (m):**

**Abandonment:**

**Type:** Plastic

**Depth (m):** 24.4

**Bottom (m):** 24.4

**OD (mm):** 136.4

**Thickness (mm):** 0.1

**Seal Type:** Formation Seal

**from (m):** to 24.4

**Liner:**

**Type:** Plastic

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Top (m):** 24.4

**Bottom (m):** 64.3

**Perforated How:** Machine

**from (m):** to 64.3

**from (m):** to

**Screen:**

**Material:**

**from (m):** to

**from (m):** to

**Open Hole:**

**from (m):** to

**Pump:**

**Model:**

**Intake (m):**

**Testing:**

**Rate (lpm):** 11.4

**Time (minute):** 420.0

**Level End (m):** 54.9

**Drawdown (m):** 32.0

**Rec’d Rate (lpm):**

**Rec’d intake (m):**

**Laboratory:**

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Bicarbonate</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
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</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 35-052-05 W5M**

**Well Number**: 06866

**Well Owner**: Bushnell, Jack

**Drilling Contractor**: Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m)**: 720

**Licence No.**: 720

**Easting**: 24,004.46

**Date Started**: 05 Feb 91

**Northing**: 5,929,395.00

**Date Completed**: 12 Feb 91

### General:

- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 68.6 (m)
- **NPWL (m)**: 10.7
- **Verified NPWL (m)**: 
- **Abandonment**: 

### Casing:

- **Type**: Steel
- **Depth (m)**: 44.2
- **Bottom (m)**: 44.2
- **OD (mm)**: 139.7
- **Thickness (mm)**: 0.1
- **Seal Type**: Drive Shoe
- **from (m)**: to 44.2

### Liner:

- **Type**: Drive Shoe
- **OD (mm)**: 114.3
- **Thickness (mm)**: 0.0
- **Top (m)**: 42.7
- **Bottom (m)**: 68.6
- **Perforated How**: Other
- **from (m)**: 50.3 to 67.1
- **Size**: 
- **from (m)**: to Size:
- **from (m)**: to Size:

### Screen:

- **Material**: 
- **OD (mm)**: 
- **from (m)**: to Size:
- **from (m)**: to Size:

### Open Hole:

- **from (m)**: to

### Pump:

- **Model**: 
- **Intake (m)**: 
- **Rate (lpm)**: 9.1
- **Time (minute)**: 120.0
- **Level End (m)**: 42.7
- **Drawdown (m)**: 32.0
- **Rec'd intake (m)**: 
- **Rec'd Rate (lpm)**: 9.1

### Laboratory:

- **pH (pH unit)**: 
- **Cond. (µS/cm)**: 
- **TDS**: 
- **Sodium**: 
- **Potassium**: 
- **Calcium**: 
- **Magnesium**: 
- **Carbonate**: 
- **Bicarbonate**: 
- **Aluminium**: 
- **Barium**: 
- **Sulphate**: 
- **Beryllium**: 
- **Chloride**: 
- **Cadmium**: 
- **Fluoride**: 
- **Chromium**: 
- **Iron**: 
- **TOC**: 
- **Silica**: 
- **Lead**: 
- **Carbon**: 
- **DIC**: 
- **Hydroxide**: 
- **Arsenic**: 
- **Total Hardness**: 
- **Manganese**: 
- **Phosphate**: 
- **Ion Balance**: 
- **Amm. Nitrogen**: 
- **Total Phosphate**: 
- **Total Alkalinity**: 
- **Nitrate**: 
- **Strontium**: 
- **Selenium**: 
- **Nitrite**: 
- **Molybdenum**: 
- **Potassium**: 
- **TN**: 
- **Vanadium**: 
- **TC**: 
- **Sodium**: 
- **Magnesium**: 
- **Calcium**: 
- **Barium**: 
- **Aluminium**: 
- **Sulphate**: 
- **Beryllium**: 
- **Chloride**: 
- **Cadmium**: 
- **Fluoride**: 
- **Chromium**: 
- **Iron**: 
- **TOC**: 
- **Silica**: 
- **Lead**: 

### Electric Log:

- **Transmissivity**: 
- **Gamma Log**: 
- **Aquifer Test**: 
- **Storativity**: 

### Project:

- **Database**: 1.000H
- **AEP Data**: Yes
- **Well Field Verified**: No

### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27
**NW 35-052-05 W5M**

**Well Owner:** Ransam, J

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m): 720**

**AEP: 362047**

**Date Started:** 18 Nov 91

**Date Completed:** 20 Nov 91

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<th><strong>Lithologic Description</strong></th>
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**Printed on 2/20/98**
**NW 35-052-05 W5M**

**Well Number:** 06868

**Well Owner:** Shearer, Ken

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 720

**AEP:** 401242

**Licence No.:** Easting: 22,938.33

**Date Started:** 26 Sep 94

**Nothing:** 5,929,453.00

**Date Completed:** 30 Sep 94

**Well Use:** Domestic

**Type of Work:** New Well

**Drilling Method:** Cable Tool

**NPWL (m):** 15.2

**Verified NPWL (m):**

**Completed Depth:** 57.9 (m)

**Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 29.6
- **Bottom (m):** 29.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 29.6

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 57.9
- **Perforated How:** Torch
- **from (m):** to 45.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:** Sub

- **Model:** Gould 7g05
- **Intake (m):** 57.9

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 57.9
- **Drawdown (m):** 42.7
- **Rec'd Rate (lpm):** 45.7
- **Rec'd intake (m):** 27.4

**Laboratory:**

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: Database: 1.000H

**AEP Data:** Yes Well Field Verified: No
Well Number: 06869

Well Owner: Pierce, Jim
Drilling Contractor: Bar-K Water Well Drilling Ltd.

Elevation (AMSL) (m): 722
Licence No.: 369287
Date Started: 27 Apr 93
Date Completed: 28 Apr 93
Easting: 26,985.10
Northing: 5,928,936.50

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 60.0 (m)
  - NPWL (m): 14.0
  -Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:** Bentonite Chips/Tabl
  - from (m): 35.7 to 37.8

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm): 127.0 0.1
- **Top (m):** 46.6
- **Bottom (m):** 58.8
- **Perforated How:** Machine
  - from (m): 46.6 to 58.8 Size:
  - from (m): Size:
  - from (m): Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Jacuzzi 5s4513p
- **Intake (m):** 42.7

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 360.0
- **Level End (m):** 36.1
- **Drawdown (m):** 24.1
- **Rec'd Rate (lpm):** 45.7
- **Rec'd intake (m):** 13.7

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **COD:***
- **SAR:**
- **Mercury:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Oxidation Reduction Potential:**
- **Vanadium:**
- **Zinc:**
- **Cadmium:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Manganese:**
- **Total Hardness:**
- **Calcium:**
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- **Hydroxide:**
- **Bicarbonate:**
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- **Total Hardness:**
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- **Phosphate:**
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- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Yes**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

printed on 2/20/98
**NE 01-052-06 W5M**

**Well Owner:** Nahorniak, Don/Marilyn

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 831

**AEP:** 356898

**Date Started:**

**Easting:** 17,166.10

**Northing:** 5,921,612.00

**Date Completed:**

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<td>Lead</td>
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<td>Total Phosphate</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Well Owner:** Poco Petroleum Ltd
- **Drilling Contractor:** Morrill’s Water Well Drilling Ltd.
- **Well Number:** 06871

### Depth Elevation
<table>
<thead>
<tr>
<th>(BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>1.8</td>
<td>Clay</td>
</tr>
<tr>
<td>2.7</td>
<td>Organic Matter</td>
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<td>7.3</td>
<td>Clay Sandy Gray</td>
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<tr>
<td>11.0</td>
<td>Shale Green</td>
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<tr>
<td>13.4</td>
<td>Shale Sandy</td>
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<tr>
<td>17.7</td>
<td>Sand See Comments Gray</td>
</tr>
<tr>
<td>20.7</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

### Lithologic Description:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 20.7 (m)
- **NPWL (m):** 1.5
- **Abandonment:** Unknown 05 Mar 91
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 8.2 (Bottom: 8.2)
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 8.2
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to Size: from (m): to Size:
  - **Screen:**
    - **Material:**
    - **OD (mm):** from (m): to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:** Gould
  - **Intake (m):** 13.7
- **Testing:**
  - **Rate (lpm):** 182.4
  - **Time (minute):** 120.0
  - **Level End (m):** 10.7
  - **Drawdown (m):** 9.1
  - **Rec’d intake (m):** 13.4
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Aqifer Test:** No
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Industrial
- Completed Depth: 32.9 m
- NPWL (m): 1.5
- Verified NPWL (m):
- Abandonment: 
  - Type: Steel
  - Depth (m): 9.8
  - Bottom (m): 9.8
  - OD (mm): 139.7
  - Thickness (mm): 0.1
- Seal Type: Driven
  - from (m): to 9.8

**Casing:**
- Type: Steel
- Depth (m): 9.8
- Bottom (m): 9.8
- OD (mm): 139.7
- Thickness (mm): 0.1

**Liner:**
- Type: 
- OD (mm): 
- Top (m): 
- Bottom (m): 
- Perforated How: 
  - from (m): to 
  - Size: 
  - from (m): to 
  - Size: 

**Screen:**
- Material: 
- OD (mm): 
- Top (m): 
- Bottom (m): 
- from (m): to 
- Size: 
- from (m): to 
- Size: 

**Open Hole:**
- from (m): to 

**Pump:**
- Model: Gould
- Intake (m): 19.8

**Testing:**
- Rate (lpm): 228.1
- Time (minute): 120.0
- Level End (m): 12.2
- Drawdown (m): 10.7
- Rec'd intake (m): 19.8
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit):
- COD
- Mercury
- Cond. (µS/cm):
- SAR
- Nickel
- TDS
- TKN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminum
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- TOC
- Lead
- Nitrate&Nitrite
- Silicon
- Lead
- Nitrate
- and Nitrite

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation (BGL) (AMSL) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>2.1</td>
<td>799.9</td>
<td>Clay</td>
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<tr>
<td>2.7</td>
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<td>7.6</td>
<td>794.4</td>
<td>Sand &amp; Clay Stringers Gray</td>
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<tr>
<td>12.5</td>
<td>789.5</td>
<td>Shale Green</td>
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<td>17.7</td>
<td>784.3</td>
<td>Sand See Comments Gray</td>
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<tr>
<td>24.1</td>
<td>777.9</td>
<td>Shale Soft Gray</td>
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<tr>
<td>26.2</td>
<td>775.8</td>
<td>Shale Green</td>
</tr>
<tr>
<td>28.7</td>
<td>773.4</td>
<td>Sand See Comments Gray</td>
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<tr>
<td>32.9</td>
<td>769.1</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>
## General:
- **Type of Work:** Deepened
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL (m):** 10.1
- **Abandonment:**
- **Type:** Steel
- **Depth (m):**
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **Diameter:**
- **Date Started:** 15 Jan 96
- **Date Completed:** 15 Jan 96

## Lithologic Description

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<td>34.4</td>
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<td>42.1</td>
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<td>43.3</td>
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<td>45.7</td>
<td>768.3</td>
<td>Shale Gray</td>
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</table>

## Casing:
- **Type:** Steel
- **Depth (m):**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 9.1
- **Bottom (m):** 45.7
- **Perforated How:** Machine
- **Size:**
- **From (m):** 15.2
- **To:** 45.7

## Screen:
- **Material:**
- **OD (mm):**
- **From (m):**
- **To:**
- **Size:**

## Open Hole:
- **From (m):**
- **To:**

## Pump:
- **Model:** Guntos 40103
- **Intake (m):** 18.3
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 18.3
- **Drawdown (m):** 8.2
- **Rec'd Rate (lpm):** 27.4
- **Rec'd intake (m):** 228.1

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrates:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **DIC:**
- **Bicarbonate:**
- **Barium:**
- **Chloride:**
- **Chromium:**
- **Fluoride:**
- **Iron:**
- **Iron:**
- **TOC:**
- **Silica:**

## Chemical Constituents are in mg/l (ppm). Except as noted.

## Electric Log:
- **Transmissivity:** m²/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**

## AEP Data:
- **Database:** 1.000H

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 06873

**Elevation (AMSL) (m):** 814

**AEP:** 357803

**Licence No.:**

**Easting:** 9,081.14

**Northing:** 5,923,311.50

**Date Started:** 15 Jan 96

**Date Completed:** 15 Jan 96

**Sun Gro/ Fisons Horticulture**

**Morrill'S Water Well Drilling Ltd.**

---

**printed on 2/20/98**
## General:
- **Type of Work:** Coal Test Hole
- **Well Use:** Other
- **Completed Depth:** 150.9 m
- **NPWL:** 746.0 m
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to:**
- **Size:**

## Open Hole:
- **from (m):**
- **to:**

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Nitrite:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted."
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

### Casing:
- **Type:**
  - Depth (m):
  - Bottom (m):
  - OD (mm):
  - Thickness (mm):
  - Seal Type:
    - from (m): to

### Liner:
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
  - Perforated How:
    - from (m): to
    - Size:
  - from (m): to
    - Size:
  - from (m): to
    - Size:

### Screen:
- **Material:**
  - OD (mm):
    - from (m): to
    - Size:
  - from (m): to
    - Size:

### Open Hole:
- **from (m): to**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Silicate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

### Electric Log:
- Transmissivity: m²/day
- Gamma Log:
- Storativity:
- Aquifer Test:
- Project:
  - Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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(printed on 2/20/98)
### SE 12-052-06 W5M

**Well Owner:** Brydges, Grant  
**Drilling Contractor:** Big Iron Drilling Ltd.  

**Elevation (AMSL) (m):** 831  
**AEP:** 394174  
**Date Started:** 09 Aug 76  
**Date Completed:** 14 Aug 76

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<th>Elevation (BGL) (m)</th>
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<tbody>
<tr>
<td>Gravel</td>
<td>3.1</td>
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<td>787.1</td>
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*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituent</th>
<th>Unit</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>TOC</td>
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<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</table>

**Testing:**

- **Rate (lpm):** 36.5  
- **Time (minute):** 220.0  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 68.6 (m)
- **NPWL (m):** 32.0
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:** Unknown
- **Thickness (mm):**
- **from (m):** to 35.0

#### Liner:
- **Type:**
- **OD (mm):** 116.8
- **Thickness (mm):** 0.0
- **Top (m):**
- **Bottom (m):** 68.6
- **Perforated How:** Torch
- **from (m):** 38.1 to 63.7
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):** 48.8

#### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):** 16.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrste & Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number 06877**

- **Well Owner:** Western Shelter Products
- **Drilling Contractor:** Grove Drilling Ltd
- **Elevation (AMSL) (m):** 820
- **AEP:** 395884
- **Licence No.:** Easting: 14,469.78
- **Date Started:** 01 Jan 79
- **Northing:** 5,924.882.50
- **Date Completed:** 01 Jan 79

---

**Depth**

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**SE 14-052-06 W5M**

**Well Owner:** Kent, Larry  
Drilling Contractor: Morrill’s Water Well Drilling Ltd.

**Well Number:** 06878  
**Elevation (AMSL) (m):** 811  
**AEP:** 351049  
**licence No.:** Easting: 15,659.15  
**Date Started:** 07 Nov 89  
**Northing:** 5,923,726.50  
**Date Completed:** 07 Nov 89

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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<th>OD (mm)</th>
<th>Thickness (mm)</th>
<th>Type</th>
<th>Seal (m)</th>
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<tr>
<td>29.9</td>
<td>29.9</td>
<td>139.7</td>
<td>0.1</td>
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<td>to 29.9</td>
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**Liner:**  
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 26.8  
- **Bottom (m):** 51.2

**Perforated How:** Machine  
- **from (m):** 39.0  
- **to 51.2**  
- **Size:**

**Screen:**  
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**  
- **from (m):** to

**Pump:**  
- **Model:**
- **Intake (m):** 39.6

**Testing:**  
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 13.7  
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**  
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

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<td>Cond.</td>
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<tr>
<td>Sodium</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 15-052-06 W5M**

**Well Owner:** White, Ken  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.  

**Elevation (AMSL) (m):** 829  
**AEP:** 365832  
**Licence No.:** Easting: 12,500.40  
**Date Started:** 20 Aug 92  
**Nothing:** 5,924,575.50  
**Date Completed:** 20 Aug 92

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**Laboratory:**

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<tr>
<td>TDS</td>
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<td>Lead</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 06880
Well Owner: Somedon Oil
Drilling Contractor: Morrill’S Water Well Drilling Ltd.

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| Open Hole: | from (m): to |

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| Testing: | | |
|---------| | |
| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec’d intake (m): | Rec’d Rate (lpm): |

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Chemical Constituents are in mg/l (ppm). Except as noted.

| Electric Log: No | Transmissivity: 1000 m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**SW 16-052-06 W5M**

**Well Owner:** Meier, Gary

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

---

<table>
<thead>
<tr>
<th>Well Number</th>
<th>06881</th>
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<tr>
<td>Elevation (AMSL) (m):</td>
<td>834</td>
</tr>
<tr>
<td>AEP:</td>
<td>376550</td>
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<tr>
<td>Licence No.:</td>
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<tr>
<td>Date Started:</td>
<td>28 May 93</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>28 May 93</td>
</tr>
<tr>
<td>Easting: 5,924,111.00</td>
<td>Northing:</td>
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</table>

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**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic & Stock**
- Completed Depth: **40.8** (m)
- NPWL (m): **27.1** Verif. NPWL (m): **6.2**
- Abandonment: **No**

**Casing:**
- Type: **Plastic**
- Depth (m): **11.0** Bottom (m): **11.0**
- OD (mm): **139.7** Thickness (mm): **0.1**
- Seal Type: **Formation Packer**
- from (m): **10.0** to **30.5**

**Liner:**
- Type: **Plastic**
- OD (mm): **114.3** Thickness (mm): **0.1**
- Top (m): **10.4** Bottom (m): **40.8**
- Perforated How: **Machine**
- from (m): **34.8** to **40.8** Size: **8.9**
- from (m): **to** Size: **to**
- from (m): **to** Size: **to**

**Screen:**
- Material: **Plastic**
- OD (mm): from (m): **to** Size: **Size:**
- from (m): **to** Size: **Size:**

**Open Hole:**
- from (m): **to**

**Pump:** **Sub**
- Model: **Gould 7g05**
- Intake (m): **35.0**

**Testing:**
- Rate (lpm): **45.6** Time (minute): **120.0**
- Level End (m): **35.0** Drawdown (m): **7.9**
- Rec'd Rate (lpm): **36.6** Rec'd intake (m): **36.5**

---

**Laboratory:**
- pH (pH unit): **Chemical Constituents are in mg/l (ppm). Except as noted.**
- Cond. (µS/cm): **COD**
- Sodium: **Mercury**
- Potassium: **Nickel**
- Calcium: **Selenium**
- Magnesium: **Sodium**
- Carbonate: **Strontium**
- Bicarbonate: **Molybdenum**
- Aluminium: **Nitrate**
- Sulphate: **Nitrite**
- Chloride: **Beryllium**
- Fluoride: **Cadmium**
- Iron: **Cadium**
- TOC: **Amm. Nitrogen**
- Silica: **Cadmium**
- Electric Log: **No**
- Gamma Log: **No**
- Aquifer Test: **No**
- Project: **Database: 1.000H**
- AEP Data: **Yes**
- Well Field Verified: **No**

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**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 06882

**General:**
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Industrial

**Casing:**
- **Type:** Steel
- **Depth (m):** 15.5
- **OD (mm):** 139.7
- **Seal Type:** Driven
- **Completed Depth:** 26.8
- **NPWL (m):** 15.2
- **Abandonment:** Unknown
- **Date Completed:** 09 Apr 89

**Liner:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Perforated How:**
- **Screen:**
- **Material:**
- **OD (mm):**
- **Top (m):**
- **Open Hole:**
- **from (m):**
- **to (m):**

**Pump:** Sub
- **Model:** Gould
- **Intake (m):** 22.9

**Testing:**
- **Rate (lpm):** 228.1
- **Level End (m):** 18.3
- **Rec’d intake (m):** 22.9

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carboneate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth & Elevation**

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<th>(m)</th>
<th>Lithologic Description</th>
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<td>1.8</td>
<td>821.7</td>
<td>Clay</td>
</tr>
<tr>
<td>5.5</td>
<td>818.0</td>
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</tr>
<tr>
<td>9.4</td>
<td>814.1</td>
<td>Clay Silty</td>
</tr>
<tr>
<td>14.0</td>
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<td>Clay</td>
</tr>
<tr>
<td>14.9</td>
<td>808.6</td>
<td>Shale Green</td>
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<tr>
<td>15.5</td>
<td>808.0</td>
<td>Sand Green</td>
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<td>15.9</td>
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<td>Sandstone Gray</td>
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<td>19.5</td>
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<td>24.1</td>
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<td>Sand See Comments Brownish Gra</td>
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<td>26.8</td>
<td>796.7</td>
<td>Shale Gray</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**
06-18-052-06 W5M

Well Owner: Lacona
Drilling Contractor: Midwest Water Well Ltd.

Well Number: 06883

Elevation (AMSL) (m): 814
AEP: 355561
Licence No.: Easting: 8,227.88
Date Started: 13 Jul 88
Nothing: 5,924,033.84
Date Completed: 13 Jul 88

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<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>Clay</td>
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<tr>
<td>Well Use: Industrial</td>
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<td>4.6</td>
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<tr>
<td>Completed Depth 61.0</td>
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<td>12.5</td>
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<tr>
<td>NPWL (m): 6.1</td>
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<td>18.9</td>
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<tr>
<td>Abandonment: Unknown</td>
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<td>33.2</td>
</tr>
<tr>
<td>26 Jul 88</td>
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<td>36.9</td>
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<td></td>
<td></td>
<td>48.8</td>
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<tr>
<td></td>
<td></td>
<td>61.0</td>
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<table>
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<th>Casing:</th>
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<tr>
<td>Depth (m): 6.1</td>
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<tr>
<td>OD (mm): 139.7</td>
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<td>Seal Type: Driven</td>
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<table>
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<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
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<td>Perforated How:</td>
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<td>from (m):</td>
<td>to Size:</td>
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<tr>
<td>from (m):</td>
<td>to Size:</td>
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<td>from (m):</td>
<td>to Size:</td>
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<th>Screen:</th>
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<td>OD (mm):</td>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<th>Open Hole:</th>
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<td>from (m): to</td>
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<th>Pump: Sub</th>
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<table>
<thead>
<tr>
<th>Testing:</th>
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<td>Rate (lpm): 114.0</td>
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<td>Drawdown (m): 30.5</td>
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<tr>
<td>Rec’d intake (m): 37.2</td>
<td>Rec’d Rate (lpm): 114.0</td>
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<table>
<thead>
<tr>
<th>Laboratory:</th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
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<td>Strontium</td>
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<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Vanadium</td>
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<td>Zinc</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
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<td>Total Hardness</td>
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<td>Aluminum</td>
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<td>Sulphate</td>
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<td>Cobalt</td>
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<tr>
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<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm), Except as noted.
**NE 24-052-06 W5M**

**Well Owner:** Siwiski, Gordon  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** 06884  
**Elevation (AMSL) (m):** 813  
**AEP:** 364121  
**Licence No.:** Easting: 17,215.81  
**Date Started:** 12 Mar 92  
**Northing:** 5,926,583.50  
**Date Completed:** 13 Mar 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 50.3 (m)  
- **NPWL (m):** 24.4  
- **Veriﬁed NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 21.3  
- **Bottom (m):** 21.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven & Formation P
  - **from (m):**  to 21.3

### Liner:
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 17.4  
- **Bottom (m):** 49.4  
- **Perforated How:** Machine
  - **from (m):** 17.4  
  - **to:** 49.4  
  - **Size:**
  - **from (m):**  
  - **to:**  
  - **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
  - **from (m):**  
  - **to:**  
  - **Size:**
- **Open Hole:**  
  - **from (m):**  
  - **to:**

### Pump:
- **Model:**  
- **Intake (m):** 24.4  
- **Rate (lpm):** 63.9  
- **Time (minute):** 420.0  
- **Level End (m):** 24.4  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **Dis:**  
- **Selenium:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Iron:**  
- **Copper:**  
- **Total Phosphate:**  
- **Iron:**  
- **CO:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
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<td>0.6</td>
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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

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printed on 2/20/98
**NE 24-052-06 W5M**

**Well Number: 06885**

**Well Owner:** Wilson, Paul/Warman L  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 813  
**AEP:** 364146  
**Date Started:**  
**Date Completed:**  
**Easting:** 17,215.81  
**Northing:** 5,926,583.50

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<td><strong>Bottom (m):</strong></td>
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<td><strong>to</strong></td>
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<td><strong>to</strong></td>
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<td><strong>Size:</strong></td>
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<td><strong>to</strong></td>
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<td>Time (minute):</td>
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<td><strong>Level End (m):</strong></td>
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<td>Drawdown (m):</td>
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<tr>
<td><strong>Rec’d intake (m):</strong></td>
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<td>Rec’d Rate (lpm):</td>
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| **Laboratory:** | | Electric Log: No  
Gamma Log: No  
Aquifer Test: No  
AEP Data: Yes  
Chemical Constituents are in mg/l (ppm). Except as noted. |
| **pH (pH unit):** | | Transmissivity: m³/day  
Gamma Log: Storativity:  
Aquifer Test: Project: Database: 1.000H  
AEP Data: Well Field Verified: No |
| **Cond. (µS/cm):** | | Electric Log:  
Gamma Log:  
Aquifer Test: |
| **SAR:** | | |
| **TKN:** | | |
| **Nitrate:** | | |
| **Selenium:** | | |
| **Calcium:** | | |
| **Vanadium:** | | |
| **Magnesium:** | | |
| **Molybdenum:** | | |
| **Carbonate:** | | |
| **Hydroxide:** | | |
| **Bicarbonate:** | | |
| **Arsenic:** | | |
| **Strontium:** | | |
| **Barium:** | | |
| **Manganese:** | | |
| **Beryllium:** | | |
| **Phosphate:** | | |
| **Cadmium:** | | |
| **Ion Balance:** | | |
| **Chromium:** | | |
| **Amm. Nitrogen:** | | |
| **Iron:** | | |
| **Total Phosphate:** | | |
| **TOC:** | | |
| **Total Alkalinity:** | | |
| **Silica:** | | |
| **Lead:** | | |
| **Nitrate&Nitrite N** | | |
| **Bicarbonate:** | | |
| **Open Hole:** | | |
| **from (m):** | | |
| **to** | | |
| **Pump:** | | |
| **Intake (m):** | | Model: |
| **Testing:** | | |
| **Rate (lpm):** | | Time (minute): |
| **Level End (m):** | | Drawdown (m): |
| **Rec’d intake (m):** | | Rec’d Rate (lpm): |
| | | |

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Well Number:** 06886

**Well Owner:** Siwiski, Henry

**Drilling Contractor:** Clear Water Drilling Ltd.

**Elevation (AMSL) (m):** 766

**Licence No.:** 351050

**Date Started:** 15,346.08

**Date Completed:** 5,927,882.00

**Drilling Contractor:** Northing: 23 Dec 89

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 17.4
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Steel
- **Depth (m):** 30.5
- **Bottom (m):** 30.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 30.5

#### Liner:
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 61.0

#### Perforated How:
- **Machine**
- **from (m):** 30.5 to 61.0
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 30.5

#### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 600.0
- **Level End (m):** 26.2
- **Drawdown (m):** 8.8
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 22.8

### Lithologic Description

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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Remarks:
SE 26-052-06 W5M

Well Owner: Siwiski, Dennis
Drilling Contractor: Big Iron Drilling Ltd.

Elevation (AMSL) (m): 763
Licence No.: 6887
Date Started: 20 Feb 78
Date Completed: 27 Feb 78

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Laboratory:

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Electric Log: No | Transmissivity: m³/day | Aquifer Test: No |
Gamma Log: No | Storativity: | Project: Database: 1.000H |
Ampacity Test: No | | AEP Data: Yes |
ASD: Yes | Well Field Verified: No |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** 20.1
- **Verified NPWL (m):** 03 Jun 94
- **Abandonment:** Unknown

**Casing:**
- **Type:** Steel
- **Depth (m):** 11.3
- **Bottom (m):** 11.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 11.3

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 48.8
- **Perforated How:** Machine
- **from (m):** to 48.8
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Gunfos 40103
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 13.4
- **Rec'd Rate (lpm):** 44.2
- **Rec'd intake (m):** 228.1

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **Nickel:**
- **TDS:** TKN
- **Selenium:**
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) (m) (m)**

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<td>23.5</td>
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</tr>
<tr>
<td>27.1</td>
<td>800.9</td>
</tr>
<tr>
<td>57.9</td>
<td>770.1</td>
</tr>
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</table>

**Lithologic Description**
- 3.7 824.4 Sand Brown
- 7.9 820.1 Clay Gray
- 9.8 818.3 Sand Brown
- 10.4 817.7 Sandstone Fractured Brown
- 12.5 815.6 Sand Brown
- 18.6 809.5 Shale Brown
- 23.5 804.6 Shale Green
- 27.1 800.9 Sand & Sandstone Gray
- 57.9 770.1 Lost Circulation

**Well Number:** 06888

**Elevation (AMSL) (m):** 828
**AEP:** 400493
**Licence No.:** Easting: 13,401.82
**Date Started:** 23 May 94
**Northing:** 5,927,992.50
**Date Completed:** 23 May 94

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Number: 06889

06-28-052-06 W5M

Well Owner: Ladd Exploration
Drilling Contractor: Morrill'S Water Well Drilling Ltd.

Elevation (AMSL) (m): 807
AEP: 350793
Licence No.: Easting: 11,479.80
Date Started: 14 Apr 90 Northing: 5,927,274.50
Date Completed: 14 Apr 90

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Industrial
- Completed Depth: 44.8 m
- NPWL (m): 9.1
- Abandonment: 26 Apr 90

Casing:
- Type: Steel
- Depth (m): 8.2
- OD (mm): 139.7
- Seal Type: Driven
- from (m): 8.2

Liner:
- Type: Driven
- OD (mm): 114.3
- from (m): 42.7

Perforated How: Machine
- from (m): 12.2 to 42.7
- Size: 

Screen:
- Material: Steel
- OD (mm): 
- from (m): 12.2 to 42.7
- Size: 

Open Hole:
- from (m): 12.2 to 42.7

Pump: Sub
- Model: Goulds
- Intake (m): 39.6

Testing:
- Rate (lpm): 205.2
- Time (minute): 120.0
- Level End (m): 33.5
- Drawdown (m): 24.4
- Rec'd Rate (lpm): 38.1
- Rec'd intake (m): 

Laboratory:
- pH (pH unit): 
- Cond. (µS/cm): 
- TDS: 
- Sodium: 
- Nitrate: 
- Nitrite: 
- Potassium: 
- Barium: 
- Sulphate: 
- Beryllium: 
- Chloride: 
- Cadmium: 
- Fluoride: 
- Chromium: 
- Iron: 
- TOC: 
- Silicon: 
- Lead: 
- Mercury: 
- Nickel: 
- Selenium: 
- Sand: 
- Total Nitrate: 
- Vanadium: 
- Zinc: 
- Hydroxide: 
- Carbonate: 
- Total Hardness: 
- Molybdenum: 
- Total Alkalinity: 
- Strontium: 
- Total Phosphate: 
- Sodium: 
- Sodium: 
- Total Hardness: 
- Strontium: 
- Calcium: 
- Total Phosphate: 
- Magnesium: 
- Total Phosphate: 
- Manganese: 
- Calcium: 
- Total Phosphate: 
- Phosphate: 
- Chloride: 
- Ion Balance: 
- Nitrate: 
- Amm. Nitrogen: 
- Molybdenum: 
- Zinc: 
- Sodium: 
- Phosphate: 
- Nitrate: 
- Amm. Nitrogen: 
- Iron: 
- TOC: 
- Manganese: 
- Zinc: 
- Chloride: 
- Alkalinity: 
- Nitrates: 
- Lead: 
- Phosphate: 
- Nitrate: 
- Molybdenum: 
- Zinc: 
- Chloride: 
- Ion Balance: 
- Nitrate: 
- Phosphate: 
- Chloride: 
- Total Phosphate: 
- Nitrate: 
- Molybdenum: 
- Zinc: 
- Chloride: 
- Alkalinity: 
- Lead: 
- Phosphate: 
- Nitrate: 
- Molybdenum: 
- Zinc: 
- Chloride: 
- Ion Balance: 
- Nitrate: 
- Phosphate: 
- Chloride: 
- Total Phosphate: 
- Nitrate: 
- Molybdenum: 
- Zinc: 
- Chloride: 
- Alkalinity: 
- Lead: 
- Phosphate: 
- Nitrate: 
- Molybdenum: 
- Zinc: 
- Chloride: 
- Ion Balance: 
- Nitrate: 

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 48.8 m
- **NPWL (m):** 21.0
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - Type: Plastic
  - Depth (m): 30.5
  - OD (mm): 139.7
- **Seal Type:** Driven
- **Liner:**
  - Type: Plastic
  - Depth (m): 114.3
  - OD (mm): 114.3
- **Perforated How:** Machine
- **Screen:**
  - Material: Plastic
- **Open Hole:**
  - from (m): to Size:
- **Pump:** Sub
  - **Model:** Goulds
  - **Intake (m):** 45.7
- **Testing:**
  - **Rate (lpm):** 68.4
  - **Time (minute):** 120.0
  - **Level End (m):** 39.6
  - **Drawdown (m):** 18.6
  - **Rec'd intake (m):** 45.7
  - **Rec'd Rate (lpm):**

### Lithologic Description

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<th>Elevation</th>
<th>Lithologic Description</th>
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<tr>
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<td>789.4</td>
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<td>14.0</td>
<td>779.1</td>
<td>Sand &amp; Coal</td>
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<tr>
<td>16.5</td>
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<td>46.3</td>
<td>746.7</td>
<td>Sand &amp; Shale</td>
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<tr>
<td>48.8</td>
<td>744.3</td>
<td>Shale Gray</td>
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### Laboratory
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Time:**
- **Rate (lpm):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

*Printed on 2/20/98*
General:
- Type of Work: Flowing Shot Hole
- Well Use: Industrial
- Completed Depth: 18.0 m
- Abandonment: Plug & Cement 25 Aug 92

Casing:
- Type:
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

Liner:
- Type:
  - OD (mm):
  - Top (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

Screen:
- Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Well Number 06891

Well Owner: Morgan Hydrocarbons Sp# 256
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 805
Licence No.: Easting: 9,038.91
Date Started: 17 Aug 92 Northing: 5,926,082.48
Date Completed: 21 Aug 92

AEP Data: Yes Well Field Verified: No
### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Not Applicable
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **NPWL (m):** Verifying NPWL (m): 
- **Abandonment:** Cement 26 Mar 90

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molydenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

### Depth Elevation (BGL) (AMSL)

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
</table>

Lithologic Description

(No Lithologic Information Available)
### General:
- **Type of Work:** Flowing Shot Hole
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **NPWL (m):** 25 Aug 92
- **Abandonment:** Plug & Cement

### Casing:
- **Type:**
- **Depth (m):** Bottom (m): 18.0
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Barium:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number 06893**

- **Well Owner:** Morgan Hydrocarbons Sp# 141
- **Elevation (AMSL) (m):** 767
- **AEP:** 363808
- **Licence No.:** Easting: 9,037.89
- **Date Started:** 16 Aug 92
- **Northing:** 5,929,691.74
- **Date Completed:** 21 Aug 92

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number**: 06894

**Well Owner**: Morgan Hydrocarbons Sp# 146

**Drilling Contractor**: Unknown Driller

**Elevation (AMSL) (m)**: 767

**AEP**: 363710

**Date Started**: 18 Aug 92

**Date Completed**: 20 Aug 92

**Licence No.**: Easting: 9,037.89

**Northing**: 5,929,691.74

---

### General

- **Type of Work**: Flowing Shot Hole
- **Drilling Method**: Unknown
- **Well Use**: Industrial
- **Completed Depth**: 18.0 (m)
- **NPWL (m)**: Verified NPWL (m):
- **Abandonment**: Plug & Cement 25 Aug 92

### Casing

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<th>Depth (m)</th>
<th>Bottom (m)</th>
<th>Thickness (mm)</th>
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### Liner

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<tbody>
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<td>Top (m)</td>
<td>Bottom (m)</td>
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### Screen

<table>
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<th>Material</th>
<th>OD (mm)</th>
<th>Thickness (mm)</th>
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<tbody>
<tr>
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<td>from (m)</td>
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</table>

### Open Hole

<table>
<thead>
<tr>
<th>from (m)</th>
<th>to</th>
</tr>
</thead>
</table>

### Pump

- **Model**: 
- **Intake (m)**:
- **Rate (lpm)**:
- **Time (minute)**:
- **Level End (m)**:
- **Drawdown (m)**:
- **Rec'd intake (m)**:
- **Rec'd Rate (lpm)**:

### Laboratory

- **pH (pH unit)**: 
- **Cond. (µS/cm)**: 
- **TDS**: 
- **Sodium**: Nitrate
- **Sulfate**: Beryllium
- **Calcium**: TN
- **Magnesium**: TC
- **Carbonate**: DIC
- **Bicarbonate**: Arsenic
- **Aluminum**: Barium
- **Chloride**: Cadmium
- **Fluoride**: Chromium
- **Iron**: Cobalt
- **TOC**: Copper
- **Silica**: Lead

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: No

### Gamma Log: No

### Aquifer Test: No

### Database: Project: 1.000H

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- Type of Work: Flowing Shot Hole
- Drilling Method: Unknown
- Well Use: Industrial
- Completed Depth: 18.0 (m)
- NPWL (m): 5,929,691.74
- Abandonment: Plug & Cement 25 Aug 92

**Casing:**
- Type: 
- Depth (m): Bottom (m): 
- OD (mm): Thickness (mm): 
- Seal Type: 
- from (m): to 
- Liner:
- Type: 
- OD (mm): Thickness (mm): 
- Top (m): Bottom (m): 
- Perforated How: 
- from (m): to Size: 
- from (m): to Size: 
- from (m): to Size: 

**Screen:**
- Material: 
- OD (mm): 
- from (m): to 
- from (m): to 
- from (m): to 

**Open Hole:**
- from (m): to 

**Pump:**
- Model: 
- Intake (m): 

**Testing:**
- Rate (lpm): Time (minute): 
- Level End (m): Drawdown (m): 
- Rec'd intake (m): Rec'd Rate (lpm): 

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log: No Transmissivity: m³/day**
**Gamma Log: No Storativity:**
**Aquifer Test: No**
**Project: Database: 1.000H**
**AEP Data: Yes Well Field Verified: No**

**Printed on: 2/20/98**
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<td>from (m): to</td>
<td>Size:</td>
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<td>Open Hole: from (m): to</td>
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<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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| Electric Log: No | Transmissivity: m³/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number: 06897**

**Well Owner:** Morgan Hydrocarbons Sp# 165

**Well Use:** Industrial

**Licence No.:** Easting: 9,038.71 Northing: 5,928,486.83

**Date Started:** 17 Aug 92

**Date Completed:** 21 Aug 92

### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Plug & Cement 25 Aug 92

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):**
  - to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** Yes

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number:** 06898

**Well Owner:** Morgan Hydrocarbons Sp# 166

**Drilling Contractor:** Unknown Driller

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### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Plug & Cement 25 Aug 92

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No **Transmissivity:** m²/day
**Gamma Log:** No **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes **Well Field Verified:** No
09-31-052-06 W5M

Well Owner: Morgan Hydrocarbons Sp# 181
Drilling Contractor: Unknown Driller

Well Number: 06900

Elevation (AMSL) (m): 773
AEP: 364960
Licence No.: Easting: 9,026.28
Date Started: 16 Aug 92
Northing: 5,929,278.54
Date Completed: 21 Aug 92

General:
Type of Work: Flowing Shot Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth 18.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Plug & Cement 25 Aug 92

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27

Remarks:

Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
Type of Work: *Flowing Shot Hole*
Drilling Method: *Unknown*
Well Use: *Industrial*
Completed Depth: 18.0 (m)
NPWL (m): 
Verified NPWL (m): 
Abandonment: *Plug & Cement* 25 Aug 92

**Casing:**
Type: 
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: 
from (m): to 

**Liner:**
Type: 
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: 
from (m): to Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material: 
OD (mm): 
from (m): to Size:
from (m): to Size:

**Open Hole:**
from (m): to 

**Pump:**
Model: 
Intake (m):

**Testing:**
Rate (lpm): 
Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
ph (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Number: 06903

**Well Owner:** Morgan Hydrocarbons Sp# 196

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 778  
**AEP:** 367187  
**Date Started:** 18 Aug 92  
**Date Completed:** 21 Aug 92  
**Licence No.:** 8,620.97  
**Northing:** 5,928,498.56

### General

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<tr>
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<tr>
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<td>Industrial</td>
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<tr>
<td>Completed Depth</td>
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</tr>
<tr>
<td>NPWL (m):</td>
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</tr>
<tr>
<td>Verified NPWL (m):</td>
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<tr>
<td>Abandonment</td>
<td>Plug &amp; Cement</td>
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<tr>
<td>Date</td>
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### Casing

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<td>from (m):</td>
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### Liner

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<td>Perforated How:</td>
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<td>from (m):</td>
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### Screen

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<td>to</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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### Open Hole

| from (m):         |       |

### Pump

<table>
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<tr>
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<th>Intake (m):</th>
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### Testing

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<td>Level End (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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### Laboratory

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
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<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
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<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminium</td>
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<td>Iron</td>
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<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

<table>
<thead>
<tr>
<th>Transmissivity:</th>
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### Gamma Log

<table>
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<th>Storativity:</th>
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### Aquifer Test

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Database: 1.000H</td>
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</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **Abandonment:** Plug & Cement 25 Aug 92

## Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

## Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:
  - from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Intake (m):

## Testing:
- **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

## Well Information:
- **Well Number:** 06904
- **Well Owner:** Morgan Hydrocarbons Sp# 196
- **Elevation (AMSL) (m):** 767
- **AEP:** 367190
- **Date Started:** 16 Aug 92
- **Easting:** 9,049.65
- **Nothing:** 5,926,876.42
- **Date Completed:** 21 Aug 92

## Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Project: 1.00H

Aquifer Test: No

Electric Log: No

Gamma Log: No

Transmissivity: m³/day

Storativity:

Amm. Nitrogen

AEP Data: Yes

Well Field Verified: No

Database: AEP Data: Yes

Printed on 2/20/98
**General:**
- **Type of Work:** Flushing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 18.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Plug & Cement 25 Aug 92

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

---

**Well Number 06905**

**Well Owner:** Morgan Hydrocarbons Sp# 199

**Elevation (AMSL) (m):** 767

**Licence No.:** Easting: 9,049.65

**Date Started:** 16 Aug 92 Northing: 5,928,876.42

**Date Completed:** 21 Aug 92

**AEP Data:** Yes Well Field Verified: No

**Database:** 1.000H

**Aquifer Test:** No

**Gamma Log:** No Storativity:

**Electric Log:** No Transmissivity: m³/day

**AEP Data:** Yes Well Field Verified: No

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number:** 06906  
**Well Owner:** Morgan Hydrocarbons Sp# 216  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 780  
**AEP:** 367186  
**Licence No.:** Easting: 9,038.71  
**Date Started:** 17 Aug 92  
**Northing:** 5,926,486.83  
**Date Completed:** 21 Aug 92  
**Well Use:** Industrial  
**Date Positioned:** 2/20/98

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<td>(m)</td>
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<td>Well Use: Industrial</td>
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<td>Completed Depth: 18.0 (m)</td>
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<td>NPWL (m):</td>
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<td>Abandonment: Plug &amp; Cement</td>
<td>25 Aug 92</td>
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<tr>
<td>Depth (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<td>Seal Type:</td>
<td>from (m): to</td>
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<td>Bottom (m):</td>
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<td>Perforated How:</td>
<td>to</td>
</tr>
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<td>Size:</td>
</tr>
<tr>
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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<tr>
<td>pH (pH unit):</td>
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<td>TDS</td>
<td>TKN Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite Molybdenum</td>
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<td>Calcium</td>
<td>TN Vanadium</td>
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<td>TC Zinc</td>
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<td>DIC Hydroxide</td>
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<td>TOC</td>
<td>Copper Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm), Except as noted.**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
## General:
- **Type of Work:** Flowing Shot Hole
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **Abandonment:** Plug & Cement 25 Aug 92

## Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminium:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate & Nitrite N

### Electric Log:
- **Transmissivity:**  m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes, Well Field Verified: No

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

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# General:
<table>
<thead>
<tr>
<th>Type of Work</th>
<th>Flowing Shot Hole</th>
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<tbody>
<tr>
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<td>18.0 (m)</td>
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# Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

# Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

# Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

# Open Hole:
- **from (m):** to

# Pump:
- **Model:**
- **Intake (m):**

# Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

# Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminium:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate & Nitrite N

---

Water Well Positioned by Mow-Tech in 10TM NAD 27
```
**General:**
- Type of Work: **Flowing Shot Hole**
- Drilling Method: **Unknown**
- Well Use: **Industrial**
- Completed Depth: 18.0 (m)
- NPWL (m): **Verified NPWL (m):**
- Abandonment: **Plug & Cement 25 Aug 92**

**Casing:**
- Type:
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

**Liner:**
- Type:
  - OD (mm):
  - Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite N
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  Transmissivity: m³/day
**Gamma Log:** No  Storativity:
**Aquifer Test:** No  Project:
**Database:** 1.000H  AEP Data: Yes  Well Field Verified: No

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 25.6
- **Bottom (m):** 25.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 25.6

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Tait
- **Intake (m):** 42.7

**Testing:**
- **Rate (lpm):** 182.4
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 6.1
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate & Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Not Applicable
- **Well Use:** Industrial
- **Completed Depth:** 46.0 (m)
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:** Plugged 01 Mar 91

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Database: 1.000H
- **Project:**
- **AEP Data:** Yes Well Field Verified: No

### Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Well Number:** 06911
- **Well Owner:** Atcor Ltd #90-ll 125b
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 776
- **AEP:** 363363
- **Easting:** 14,339.63
- **Northing:** 5,928,902.81
- **Date Started:** 01 Mar 91
- **Date Completed:** 01 Mar 91

**Depth**

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<th>(m)</th>
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**Well Use:** Industrial

**Type of Work:** Flowing Shot Hole

**Drilling Method:** Not Applicable

**Well Use:** Industrial

**Completed Depth:** 46.0 (m)

**NPWL (m):** Verified NPWL (m): 01 Mar 91

**Abandonment:** Plugged

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness:** from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Remarks:**
- **Water Well Positioned by Mow-Tech in 10TM NAD 27**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL:** 12.2 m
- **Abandonment:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 24.7
  - **Bottom (m):** 24.7
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.0
  - **Seal Type:** Driven
  - **from (m):** to

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 24.7
- **Bottom (m):** 24.7
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 23.8

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbamate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Manganese:** Sulphate
- **Beryllium:** Chloride
- **Selenium:** Fluoride
- **Iron:** Cobalt
- **Iron:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:** Silica
- **Lead:** Nitrate
- **Nitrite:** Total Hardness
- **Cadmium:** Ion Balance
- **Iron:** Amm. Nitrogen
- **Iron:** Total Alkalinity
- **Lead:** Nitrate
- **Total Alkalinity:** Total Hardness
- **Chloride:** Calcium
- **Calcium:** Magnesium
- **Sodium:** Zinc
- **Magnesium:** Magnesium
- **Barium:** Manganese
- **TDS:** TDS
- **Sodium:** Sodium
- **Potassium:** Sodium
- **Calcium:** Calcium
- **Magnesium:** Magnesium
- **Carbamate:** Carbonate
- **Bicarbonate:** Bicarbonate
- **Aluminum:** Aluminum
- **Ions:** Ions

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **Screen:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
NE 35-052-06 W5M

Well Number 06913

Well Owner: Shumborski, W.
Drilling Contractor: Cal & Norm’S Drilling

Elevation (AMSL) (m): 767
AEP: 359955
Licence No.: Easting: 15,340.50
Date Started: 06 Oct 78
Northing: 5,829,495.50
Date Completed: 06 Oct 78

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth 36.6 (m)
NPWL (m): 6.7
Abandonment:
Casing:
Type: Galvanized Steel
Depth (m): 17.4 Bottom (m): 17.4
OD (mm): 114.3 Thickness (mm): 0.0
Seal Type: Driven
from (m): to 17.4
Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model:
Intake (m):
Testing:
Rate (lpm): 31.9 Time (minute): 360.0
Level End (m):
Rec’d intake (m): 16.8 Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Remarks:

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 06914

General:
Type of Work: Flowing Shot Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth: 18.0 m
NPWL (m): Verified NPWL (m):
Abandonment: Plug & Cement 25 Aug 92

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

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<th>Value Unit</th>
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<td>Silicon</td>
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Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number**: 06915  
**Well Owner**: Transalta Util./Yakimovich, H  
**Drilling Contractor**: McGinn, Gerald Drilling Ltd.  
**Elevation (AMSL) (m)**: 734  
**Date Started**: 31 Dec 91  
**Date Completed**: 02 Jan 92  
**Licence No.**: Easting: 16,966.45  
**Northing**: 5,929,497.00

### General
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic & Stock
- **Completed Depth**: 51.5 (m)  
  **NPWL (m)**: 17.1  
  **Verified NPWL (m)**:  
- **Abandonment**:  
- **Type**: Plastic  
  **Depth (m)**: 16.5  
  **Bottom (m)**: 16.5  
  **OD (mm)**: 152.4  
  **Thickness (mm)**: 0.1  
- **Seal Type**: Bentonite Chips/Table  
  **from (m)**: to 16.5  
- **Type**:  
  **OD (mm)**: 127.0  
  **Thickness (mm)**: 0.1  
- **Top (m)**: 13.4  
  **Bottom (m)**: 50.6  
- **Perforated How**: Saw  
  **from (m)**: to 50.6  
  **Size**:  
- **Screen**:  
  **Material**:  
  **OD (mm)**:  
  **from (m)**: to Size:  
  **from (m)**: to Size:  
- **Open Hole**:  
  **from (m)**: to  
- **Pump**:  
  **Model**:  
  **Intake (m)**:  
- **Testing**:  
  **Rate (lpm)**: 31.9  
  **Time (minute)**: 420.0  
  **Level End (m)**: 18.3  
  **Drawdown (m)**: 1.2  
  **Rec'd intake (m):** Rec'd Rate (lpm):  
- **Laboratory**:  
  **pH (pH unit)**:  
  **Cond. (µS/cm)**:  
  **TDS**:  
  **Sodium**:  
  **Potassium**:  
  **Calcium**:  
  **Magnesium**:  
  **Carbonate**:  
  **Bicarbonate**:  
  **Aluminium**:  
  **Barium**:  
  **Sulphate**:  
  **Chloride**:  
  **Fluoride**:  
  **Iron**:  
  **TOC**:  
  **Silica**:  
  **COD**:  
  **SAR**:  
  **TKN**:  
  **Nitrate**:  
  **Selenium**:  
  **Nitrite**:  
  **Molybdenum**:  
  **Barium**:  
  **Manganese**:  
  **Beryllium**:  
  **Lead**:  
  **Boron**:  
  **Aluminum**:  
  **Phosphorus**:  
  **Cadmium**:  
  **Chromium**:  
  **Cobalt**:  
  **Iron**:  
  **Copper**:  
  **Total Hardness**:  
  **Total Alkalinity**:  
  **Water Well Positioned by PFRA in 10TM NAD 27**

### Depth Elevation
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<td>12.2</td>
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<td>Shale Sandy Gray</td>
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<td>29.6</td>
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<td>Shale Brittle Gray</td>
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<td>42.7</td>
<td>Coal</td>
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<td>51.5</td>
<td>Shale Gray</td>
</tr>
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### Electrical Log
- **Electric Log**: No  
- **Transmissivity**: m²/day  
- **Gamma Log**: No  
- **Storativity**:  
- **Aquifer Test**: No  
- **Project**: Database: 1.000H  
- **AEP Data**: Yes  
- **Well Field Verified**: No
**General:**
- **Well Number:** SW 02-052-07 W5M
- **Well Owner:** Freeman, J
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 838
- **AEP:** 353629
- **Licence No.:** Easting: 4,771.34
- **Date Started:** Northing: 5,920,601.95
- **Date Completed:** 02 Aug 90
- **Type of Work:** Unknown
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):** 32.9
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - **from (m):** to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**
  - **Open Hole:**
    - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
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- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **TN:**
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- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrates&Nitrite N:**

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL):**

| Lithologic Description (No Lithologic Information Available) |
|---|---|---|

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** Yes  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**NE 03-052-07 W5M**

**Well Owner:** Kos, Artie  
**Drilling Contractor:** Access Waterwells Inc.

**Elevation (AMSL) (m):** 854  
**AEP:** 369342  
**Licence No.:** Easting: 4,253.82  
**Date Started:** 10 Mar 93  
**Northing:** 5,921,617.50  
**Date Completed:** 10 Mar 93

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 33.5 (m)  
- **NPWL (m):** 21.3  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**  
- **Type:** Steel  
- **Depth (m):** 21.3  
- **Bottom (m):** 21.3  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 0.9

**Liner:**  
- **Type:**
  - **OD (mm):** 123.7  
  - **Thickness (mm):** 0.1  
  - **Top (m):** 18.3  
  - **Bottom (m):** 33.5  
- **Perforated How:** Saw  
- **from (m):** to 24.4  
- **Size:** to 33.5

**Screen:**  
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:

**Open Hole:**  
- **from (m):** to

**Pump:**  
- **Model:**
  - **Intake (m):** 33.5

**Testing:**  
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 33.5  
- **Drawdown (m):** 33.5  
- **Rec'd intake (m):** 29.0  
- **Rec'd Rate (lpm):** 22.8

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**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number: 06918**

**Well Owner:** Milner, T.

**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 846  
**AEP:** 406044  
**Licence No.:** East: 3,454.95  
**Date Started:** 01 Apr 95  
**Northing:** 5,920,539.50  
**Date Completed:** 01 Apr 95

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<td><strong>from (m):</strong> to</td>
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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### NPWL (m): 31.6
- **Completed Depth:** 45.4 (m)
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 29.9
  - **Bottom (m):** 29.9
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): 28.0
- **Type:** Plastic
  - from (m): 36.3
  - **Bottom (m):** 45.4

### Lithologic Description

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### Open Hole
- **Type:** Plastic
  - from (m): 36.3
  - **Bottom (m):** 45.4

### Pump:
- **Model:** Intake (m): 39.6
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 39.6
- **Drawdown (m):** 7.9
- **Rec'd intake (m):** 39.6
- **Rec'd Rate (lpm):** 45.6

## Laboratory:

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## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 06920

Well Owner: Woloszyn, Allan
Drilling Contractor: Morrill'S Water Well Drilling Ltd.

Elevation (AMSL) (m): 819
Licence No.: 350784
Date Started: 01 Mar 90
Date Completed: 02 Mar 90

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Electric Log: No
Gamma Log: No
Aquifer Test: No
AEP Data: Yes
Database: 1.000H

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 69.5 (m)
- **NPWL (m):** 44.5 Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 57.3
- **Bottom (m):** 57.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 57.3

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 56.1
- **Bottom (m):** 69.5
- **Perforated How:** Machine
- **from (m):** 57.9 to 69.5
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Goulds 5g05412
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 54.9
- **Drawdown (m):** 10.4
- **Rec'd Rate (lpm):** 57.9
- **Rec'd intake (m):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate-Nitrite N**

### Electric Log:
- **Transmissivity:**  m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Zimmerman, Bob
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Well Number: 06922
Elevation (AMSL) (m): 826
Licence No.: 5,6204
Date Started: 12 Feb 92
 Northing: 5,509.07
Date Completed: 13 Feb 92

General:
- Type of Work: Deepened
- Drilling Method: Rotary
- Well Use: Domestic & Stock
- Completed Depth: 103.0 (m)
- NPWL (m): 53.6
- Abandonment:
- Type: Plastic
- Depth (m): 57.3
- Bottom (m): 57.3
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 57.3
- Liner:
- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 34.8
- Bottom (m): 71.3
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:
- Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:
- Open Hole:
- from (m): to
- Pump: Sub
- Model: Goulds 5g05412
- Intake (m): 73.2

Testing:
- Rate (lpm): 11.4
- Time (minute): 120.0
- Level End (m): 73.2
- Drawdown (m): 19.5
- Rec'd intake (m): 79.2
- Rec'd Rate (lpm): 9.1

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silicon:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 131.1 (m)
- **NPWL (m):** 61.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 73.8
- **Bottom (m):** 73.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 73.8

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 64.6
- **Bottom (m):** 119.5

### Perforated How:
- **Machine**
- **from (m):** 76.2 to 118.9
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Goulds 5eh07
- **Intake (m):** 103.6
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0

### Testing:
- **Level End (m):** 103.6
- **Drawdown (m):** 42.7
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Sulfate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrates:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Bicarbonate:**
- **Barium:**
- **Magnesium:**
- **Sulfate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work**: New Well
- **Drilling Method**: Cable Tool
- **Well Use**: Domestic & Stock

#### Completed Depth
- **NPWL (m)**: 21.3
- **Verified NPWL (m)**: 21.3

#### Abandonment:
- **Type**: Steel
- **Depth (m)**: 14.3
- **Bottom (m)**: 14.3
- **OD (mm)**: 139.7
- **Thickness (mm)**: 0.1
- **Seal Type**: Driven
- **from (m)**: to

#### Lithologic Description
- **12.2**: Shale & Coal
- **831.4**: Shale Clay
- **832.8**: Clay Sandy
- **834.1**: Clay Sandy
- **835.1**: Sandstone Brown
- **836.4**: Sandstone
- **837.8**: Sandstone
- **838.7**: Sandstone
- **839.7**: Sandstone
- **840.5**: Sandstone

#### Screen:
- **Material**: Steel
- **OD (mm)**: 114.3
- **Thickness (mm)**: 0.1
- **Top (m)**: 12.2
- **Bottom (m)**: 38.1

#### Perforated How:
- **Torch**
- **from (m)**: to
- **from (m)**: to
- **from (m)**: to

#### Pump:
- **Sub**
- **Model**: Sub
- **Intake (m)**: Sub

#### Testing:
- **Rate (lpm)**: 45.6
- **Time (minute)**: 420.0
- **Level End (m)**: 38.1
- **Drawdown (m)**: 16.8
- **Rec’d intake (m)**: Sub
- **Rec’d Rate (lpm)**: Sub

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#### Electric Log:
- **No**

#### Gamma Log:
- **No**

#### Aquifer Test:
- **No**

#### AEP Data:
- **Yes**
- **Well Field Verified**: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 26.5 (m)  
  NPWL (m): 14.6  
  Verified NPWL (m):
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 11.3
  - **Bottom (m):** 11.3
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Driven
  - **from (m):** to 11.3
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):**
  - **Bottom (m):** 24.4
  - **Perforated How:** Machine
    - **from (m):** 18.3
    - **to:** 24.4
    - **Size:**
    - **from (m):**
    - **to:**
  - **Screen:**
    - **Material:**
    - **OD (mm):**
    - **from (m):**
    - **to:**
    - **Size:**
    - **from (m):**
    - **to:**
- **Open Hole:**
  - **from (m):**
  - **to:**
- **Pump:** Sub
  - **Model:** Gould
  - **Intake (m):** 18.3
- **Testing:**
  - **Rate (lpm):** 228.1
  - **Time (minute):** 120.0
  - **Level End (m):** 18.3
  - **Drawdown (m):** 3.7
  - **Rec'd intake (m):** 182.4

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth**

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**Well Number:** 06925

**Elevation (AMSL) (m):** 810  
**AEP:** 356010

**Date Started:** 11 Mar 91  
**Date Completed:** 11 Mar 91

**Licence No.:** 6,799,20  
**Easting:** 5,922,743.50

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Database:** Project: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
## General:

- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Rotary
- **Elevation (AMSL) (m):** 814
- **AEP:** 356009
- **Licence No.:** Easting: 7,007.89
- **Date Started:** Northing: 5,922,419.17
- **Date Completed:**

## Casing:

- **Type:** Steel
- **Depth (m):** 12.5
- **Bottom (m):** 24.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **Abandonment:** Unknown
- **22 Mar 91**

## Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):**
- **Bottom (m):** 24.4

## Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to (m):**
- **Top (m):**
- **Bottom (m):**

## Open Hole:

- **from (m):**
- **to (m):**

## Pump:

- **Model:** Gould
- **Intake (m):** 21.3

## Testing:

- **Rate (lpm):** 319.3
- **Time (minute):** 120.0
- **Level End (m):** 6.7
- **Rec'd intake (m):** 273.6

## Laboratory:

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## Lithologic Description:

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## Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 18.3 (m)
- **NPWL (m):** 3.1
- **Abandonment:** Unknown 28 Mar 88

**Casing:**
- **Type:** Steel
- **Depth (m):** 11.6  Bottom (m): 11.6
- **OD (mm):** 139.7  Thickness (mm): 0.1
- **Seal Type:** Driven

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness:**
- **Perforated How:**

**Screen:**
- **Material:**
- **OD (mm):**
- **Thickness:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:** Sub
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 12.2
- **Rec'd intake (m):** 12.8
- **Rec'd Rate (lpm):** 228.1

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Silicate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**Elevation (AMSL) (m):** 805  AEP: 355582
- **Licence No.:**
- **Easting:** 6,613.16
- **Date Started:** 28 Feb 88  Northing: 5,924,836.85
- **Date Completed:** 28 Feb 88

**Project:** 1.000H  **Database:**
- **AEP Data:** Yes  **Well Field Verified:** No
- **Electric Log:** No  **Transmissivity:** m²/day
- **Gamma Log:** No  **Storativity:**
- **Aquifer Test:** No

- **Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number: 06928**

**Well Owner:** Lacona  
**Drilling Contractor:** Midwest Water Well Ltd.

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<td>(m)</td>
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<td>Shale</td>
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<table>
<thead>
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<tbody>
<tr>
<td>Type: Steel</td>
<td></td>
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</tr>
<tr>
<td>Depth (m): 9.1</td>
<td>Bottom (m): 9.1</td>
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</tr>
<tr>
<td>OD (mm): 139.7</td>
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<td></td>
</tr>
<tr>
<td>Seal Type: Driven</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to 9.1</td>
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<table>
<thead>
<tr>
<th>Liner:</th>
<th></th>
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<tbody>
<tr>
<td>Type:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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</tr>
<tr>
<td>Perforated How:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
<td></td>
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<table>
<thead>
<tr>
<th>Screen:</th>
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</thead>
<tbody>
<tr>
<td>Material:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
<td></td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump:</th>
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<tbody>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<td>Testing:</td>
<td>Rate (lpm): 182.4</td>
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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm): 159.6</td>
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<tr>
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<th>Electric Log: No</th>
<th>Transmissivity: m³/day</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Barium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Ammonia Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
**Well Number:** 06929

**Cam Moss Farms**

**Elevation (AMSL) (m):** 803  
**AEP: 401243**

**Date Started: 14 Feb 95**  
**Date Completed: 14 Feb 95**

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>(BGL) (AMSL)</strong></td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>(m) (m)</strong></td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td></td>
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<tr>
<td><strong>Completed Depth</strong> 44.2 (m)</td>
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<tr>
<td><strong>NPWL (m):</strong> 13.7</td>
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<td><strong>Abandonment:</strong></td>
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</tr>
<tr>
<td><strong>Casing:</strong> Plastic</td>
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<tr>
<td><strong>Depth (m):</strong> 29.9</td>
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<tr>
<td><strong>OD (mm):</strong> 139.7</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<tr>
<td><strong>Seal Type:</strong> Driven</td>
<td></td>
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<tr>
<td><strong>from (m):</strong> to 29.9</td>
<td></td>
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<tr>
<td><strong>Liner:</strong></td>
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</tr>
<tr>
<td><strong>Type:</strong></td>
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</tr>
<tr>
<td><strong>OD (mm):</strong> 114.3</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<tr>
<td><strong>Top (m):</strong> 29.0</td>
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<tr>
<td><strong>Bottom (m):</strong> 44.2</td>
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<tr>
<td><strong>Perforated How:</strong> Machine</td>
<td></td>
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<tr>
<td><strong>from (m):</strong> to 44.2</td>
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<table>
<thead>
<tr>
<th>Screen:</th>
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<th><strong>Laboratory:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material:</strong></td>
<td><strong>pH (pH unit):</strong></td>
<td>COD</td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td><strong>Cond. (µS/cm):</strong></td>
<td>SAR</td>
</tr>
<tr>
<td>from (m): to</td>
<td><strong>TDS</strong></td>
<td>TKN</td>
</tr>
<tr>
<td>from (m): to</td>
<td><strong>Sodium</strong></td>
<td>Nitrate</td>
</tr>
<tr>
<td>from (m): to</td>
<td><strong>Potassium</strong></td>
<td>Nitrite</td>
</tr>
<tr>
<td>Open Hole:</td>
<td><strong>Calcium</strong></td>
<td>TN</td>
</tr>
<tr>
<td>from (m): to</td>
<td><strong>Magnesium</strong></td>
<td>TC</td>
</tr>
<tr>
<td></td>
<td><strong>Carbonate</strong></td>
<td>DIC</td>
</tr>
<tr>
<td></td>
<td><strong>Bicarbonate</strong></td>
<td>Arsenic</td>
</tr>
<tr>
<td></td>
<td><strong>Aluminum</strong></td>
<td>Barium</td>
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<tr>
<td></td>
<td><strong>Beryllium</strong></td>
<td>Phosphate</td>
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<tr>
<td></td>
<td><strong>Sulphate</strong></td>
<td>Cadmium</td>
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<tr>
<td></td>
<td><strong>Chloride</strong></td>
<td>Sodium</td>
</tr>
<tr>
<td></td>
<td><strong>Fluoride</strong></td>
<td>Chromium</td>
</tr>
<tr>
<td></td>
<td><strong>Iron</strong></td>
<td>Cobalt</td>
</tr>
<tr>
<td></td>
<td><strong>TOC</strong></td>
<td>Copper</td>
</tr>
<tr>
<td></td>
<td><strong>Silica</strong></td>
<td>Lead</td>
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<thead>
<tr>
<th>Pump:</th>
<th><strong>Testing:</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Model:</strong></td>
<td><strong>Rate (lpm):</strong> 136.8</td>
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<tr>
<td></td>
<td><strong>Intake (m):</strong> 27.4</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
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</table>

| Chemistry Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 06930**

**Well Owner:** Alta Env #1331e  
**Drilling Contractor:** Alberta Environment  
**Elevation (AMSL) (m):** 790  
**AEP:** 401615  
**Easting:** 1,124.70  
**Northing:** 5,924,704.00  
**Date Started:**  
**Date Completed:** 18 Oct 75

### General:
- **Type of Work:** Test Hole  
- **Well Use:** Investigation  
- **Completed Depth:** 29.0 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  
  - **Liner:**
    - **Type:**  
    - **OD (mm):** Thickness (mm):  
    - **Top (m):** Bottom (m):  
    - **Perforated How:** from (m): to Size:  
    - **Screen:**
      - **Material:**  
      - **OD (mm):** from (m): to Size:  
      - **from (m):** to Size:  
  - **Open Hole:** from (m): to

### Pump:
- **Model:** Intake (m):  
- **Testing:**
  - **Rate (lpm):** Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Potassium:** Nitrile Molybdenum  
- **Total Nitrogen (TN):** Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 06931  
**Well Owner:** Alta Env #1334e  
**Drilling Contractor:** Alberta Environment

### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 15.2 (m)
- **NPWL (m):** 781.5
- **Verified NPWL (m):** 781.5
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m): 
- **OD (mm):** Thickness (mm): 
- **Seal Type:** from (m): to 

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm): 
- **Top (m):** Bottom (m): 
- **Perforated How:** from (m): to Size: 
- **from (m):** to Size: 
- **from (m):** to Size: 

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size: 
- **from (m):** to Size: 

### Open Hole:
- **from (m):** to 

### Pump:
- **Model:** Intake (m): 

### Testing:
- **Rate (lpm):** Time (minute): 
- **Level End (m):** Drawdown (m): 
- **Rec'd intake (m):** Rec'd Rate (lpm): 

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** No  
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **DIC:** Hydroxide  
- **Carbonate:** Total Hardness  
- **Bicarbonate:** Total Hardness  
- **Sulphate:** Molybdenum  
- **Chloride:** Ion Balance  
- **Fluoride:** Amm. Nitrogen  
- **Iron:** Total Phosphate  
- **TOC:** Total Alkalinity  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>1.5</td>
<td>781.5</td>
<td>Clay Lacustrine Brownish Yellow</td>
</tr>
<tr>
<td>8.5</td>
<td>774.5</td>
<td>Silt Pebble Brown</td>
</tr>
<tr>
<td>10.7</td>
<td>772.3</td>
<td>Shale &amp; Siltstone Hard Light G</td>
</tr>
<tr>
<td>15.2</td>
<td>767.8</td>
<td>Shale &amp; Siltstone Hard Gray</td>
</tr>
</tbody>
</table>
**NE 21-052-07 W5M**

Well Owner: **Wooszyn, Chris**  
Drilling Contractor: **W&G Water Wells Ltd**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock

Completed Depth: 60.4 (m)  
NPWL (m): 33.5  
Verified NPWL (m):  
Abandonment:

### Casing:
- **Type:** Steel  
- **Depth (m):** 38.4  
- **Bottom (m):** 38.4  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to

### Liner:
- **Type:** OD (mm): Thickness (mm):  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

### Screen:
- **Material:** OD (mm):  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 273.6  
- **Time (minute):** 160.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **DIC:** Hydroxide  
- **Cond. (µS/cm):**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:

### Aquifer Test:
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NE 21-052-07 W5M**

**Well Owner:** Woieszyn, Chris  
**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**General:**
- **Type of Work:** Reconditioned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Verified NPWL (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>63.4 (m)</td>
<td>25.9</td>
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</table>

**Abandonment:**
- **Type:** Steel  
- **Depth (m):** 38.4 (Bottom: 38.4)  
- **OD (mm):** 141.2 (Thickness: 0.1)  
- **Seal Type:** from (m): to

**Liner:**
- **Type:** Steel  
- **OD (mm):** 114.3 (Thickness: 0.1)  
- **Top (m):** 6.7 (Bottom: 61.6)  
- **Perforated How:** Machine  
- **from (m):** 43.3 to 61.6 (Size:)

**Screen:**
- **Material:** from (m): to (Size:)
- **from (m):** to (Size:)

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m): 48.8

**Testing:**
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 16.8  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 06933**

**Elevation (AMSL) (m):** 771  
**AEP:** 353741  
**Date Started:** 25 Jun 90  
**Easting:** 2,568.53  
**Licence No.:** Morrill'S Water Well Drilling Ltd.

**Well Use:** Domestic & Stock  
**Date Completed:** 25 Jun 90  
**Northing:** 5,926,755.00

**Lithologic Description**
- **(m) (m)**  
  - 61.0 710.4 See Comments  
  - 63.4 708.0 Sand See Comments Gray

**Water Well Positioned by PFRA in 10TM NAD 27**

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SW 22-052-07 W5M**

**Well Owner:** Keith, Jim

Drilling Contractor: Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 800  
**AEP:** 366875  
**Licence No.:** Easting: 2,783.19  
**Date Started:** 23 Oct 92  
**No.** Northing: 5,925,610.50  
**Date Completed:** 23 Oct 92

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 44.2 (m)  
- **NPWL (m):** 17.1  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth (m):** 11.6  
  - **Bottom (m):** 11.6  
  - **OD (mm):** 139.7  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
  - **from (m):** to 11.6  

### Casing:

- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 10.4  
- **Bottom (m):** 44.2  
- **Perforated How:** Machine  
  - **from (m):** to 44.2  
  - **Size:**
  - **from (m):** to Size:

### Screen:

- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:  

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Goulds 10g07412  
- **Intake (m):** 33.5  
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 33.5  
- **Drawdown (m):** 16.5  
- **Rec’d Rate (lpm):** 54.7  

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Nitrate:**
- **Nitrite:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Transmissivity:

- Electric Log: No  
- Gamma Log: No  
- Aquifer Test: No  
- Project: Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 30.2 m
- **NPWL (m):** 19.8
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 12.8
- **Bottom (m):** 12.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): 12.8

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 7.3
- **Bottom (m):** 30.2
- **Perforated How:** Machine
  - from (m): 20.4 to 30.2
  - Size: 7.3

### Screen:
- **Material:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 7.3
- **Bottom (m):** 30.2

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 22.9
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
  - **Level End (m):** 22.9
  - **Drawdown (m):** 3.1
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD (Chemical Oxygen Demand)
- **Cond. (µS/cm):** SAR (Sodium Adsorption Ratio)
- **TDS:** TKN (Total Kjeldahl Nitrogen)
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN (Total Nitrogen)
- **Magnesium:** Vanadium
- **Carbonate:** TC (Total Carbonate)
- **Bicarbonate:** TKN
- **Aluminum:** Arsenic
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC (Total Organic Carbon):** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Chemical Constituents are in mg/l (ppm), Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*Printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 10.7 m
- **NPWL:** 3.7 m
- **Verified NPWL:**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 10.7
- **Bottom (m):** 10.7
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to 3.1

### Liner:
- **Type:**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Sub
- **Intake (m):** 9.1

### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 3.7
- **Rec'd intakes (m):**
- **Rec'd Rate (lpm):** 91.2

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes
- **Database:** 1.000H

### Water Well Positioned by PFRA in 10TM NAD 27
SE 27-052-07 W5M

Well Owner: Wowk, Ed
Drilling Contractor: Morrill’s Water Well Drilling Ltd.

Well Number 06937

Elevation (AMSL) (m): 780
AEP: 416255
Licence No.: 27-052-07
Date Started: 26 Jul 95
Easting: 4,033.13
Date Completed: 26 Jul 95
Northing: 5,926,990.50

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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>(BGL)</td>
<td>(AMSL)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td></td>
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<tr>
<td>Well Use: Domestic</td>
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<td>6.1</td>
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<td>7.0</td>
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<td>Depth (m): 26.8</td>
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<td></td>
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<td>from (m):</td>
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<td>OD (mm): 114.3</td>
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<td>Top (m): 25.9</td>
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<td>Perforated How: Machine</td>
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<td>from (m): 31.1</td>
<td>to 36.6 Size:</td>
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<td>from (m):</td>
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<td></td>
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<td>from (m):</td>
<td>to Size:</td>
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<tr>
<th>Screen:</th>
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<td>Material:</td>
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</tr>
<tr>
<td>OD (mm):</td>
<td>from (m):</td>
<td>to Size:</td>
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<td>from (m):</td>
<td>to Size:</td>
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<tr>
<th>Open Hole:</th>
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<tbody>
<tr>
<td>from (m):</td>
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<th>Pump:</th>
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<td>Intake (m): 24.4</td>
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<td>Level End (m): 24.4</td>
<td>Drawdown (m): 6.4</td>
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<tr>
<td></td>
<td>Rec’d intake (m): 27.4</td>
<td>Rec’d Rate (lpm): 68.4</td>
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| Laboratory: | |
|----------|-----------------|------|
| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphorus |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silicon | Lead | Nitrates & Nitrite N |
| | | |
| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| AEP Data: Yes | Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Well Owner:** Arc Th#56-74
- **Drilling Contractor:** Unknown Driller

**Well Number:** 06938

- **Elevation (AMSL) (m):** 772
- **AEP:** 368732
- **Licence No.:** Easting: 2,527.60
- **Date Started:** Northing: 5,926,872.97
- **Date Completed:** 14 Aug 74

### Depth Elevation (BGL) (AMSL) (m) Lithologic Description

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<td>764.2</td>
<td>Clay Brownish Yellow</td>
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<td>27.4</td>
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<td>32.0</td>
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<td>48.8</td>
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<td>54.9</td>
<td>716.9</td>
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<td>62.5</td>
<td>709.3</td>
<td>Sandstone Medium Grained Light</td>
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<td>Shale &amp; Sandstone Carbonaceous</td>
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<td>636.2</td>
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<td>143.3</td>
<td>628.5</td>
<td>Sandstone Gray</td>
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### Lithologic Description

- **Drilling Method:** Unknown
- **Well Use:** Other
- **Completed Depth:** 143.3 (m)
- **NPWL (m):** Verified NPWL (m):

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm): from (m) to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- from (m): to Size: from (m): Size: from (m): Size:

### Screen:

- **Material:**
- **OD (mm):** from (m): to Size: from (m): to Size:

### Open Hole:

from (m): to

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:

- **Transmissivity:** mm²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **No**

### Project:

- **Database:** 1.000H

### AEP Data:

- **Yes**
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 51.8 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrile:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
NW 34-052-07 W5M

Well Owner: Middleton, Terry
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Elevation (AMSL) (m): 771
AEP: 376551
Licence No.: Easting: 2,825.72
Date Started: 12 Jul 93 Northing: 5,929,753.50
Date Completed: 12 Jul 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 57.9 (m)
NPWL (m): 28.0 Verified NPWL (m):
Abandonment:
Casing:
Type: Steel
Depth (m): 45.1 Bottom (m): 45.1
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 45.1
Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 21.3 Bottom (m): 56.4
Perforated How: Machine
from (m): 51.8 to 56.4 Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump: Sub
Model: Goulds 7g05412 Intake (m): 36.6
Testing:
Rate (lpm): 91.2 Time (minute): 120.0
Level End (m): 36.6 Drawdown (m): 8.5
Rec'd Rate (lpm): 39.6 Rec'd intake (m): 45.6

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
 Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.9 (m)
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 40.5
- **Bottom (m):** 40.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 40.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 38.7
- **Bottom (m):** 50.9
- **Perforated How:** Machine
- **from (m):** to 50.9
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 45.7

### Testing:
- **Rate (lpm):** 228.1
- **Time (minute):** 120.0
- **Level End (m):** 39.6
- **Drawdown (m):** 12.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27
**NW 35-052-07 W5M**

**Well Owner:** Brightwood Youth Ranch Assoc  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 770  
**AEP:** 415966  
**Licence No:** 4,490.99  
**Date Started:** 06 Mar 84  
**Easting:** 4,929.867.00  
**Date Completed:** 09 Mar 84

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.6</td>
<td>765.4</td>
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<tr>
<td>10.1</td>
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<td>56.1</td>
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</tr>
<tr>
<td>56.1</td>
<td>713.9</td>
<td>Sandstone</td>
</tr>
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**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 56.1  
- **NPWL (m):** 39.6  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Steel  
- **Depth (m):** 27.7  
- **Bottom (m):** 27.7  
- **OD (mm):** 141.2  
- **Thickness (mm):**  
- **Seal Type:** Driven  
- **from (m):** to 27.7

**Liner:**  
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Top (m):** 27.7  
- **Bottom (m):** 55.2  
- **Perforated How:** Torch  
- **from (m):** to 55.2  
- **Size:**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Open Hole:**  
- **from (m):** to  

**Pump:**  
- **Model:** Intake (m): 39.6  
- **Testing:**  
  - **Rate (lpm):** 63.9  
  - **Time (minute):** 420.0  
  - **Level End (m):** Drawdown (m):  
  - **Rec’d intake (m):** Rec’d Rate (lpm):  

**Laboratory:**  
- **18 May 84**  
- **pH (pH unit):** 8.20  
- **COD:** Mercury  
- **Conductivity (µS/cm):** 917.0  
- **SAR:** Nickel  
- **TDS:** 584.0  
- **TN:** Selenium  
- **Sodium:** 131.10  
- **Nitrate:** Strontium  
- **Potassium:** 2.35  
- **Nitrite:** Molybdenum  
- **Calcium:** 43.09  
- **TN:** Vanadium  
- **Magnesium:** 22.98  
- **TC:** Zinc  
- **Carbonate:** Hydroxide  
- **Bicarbonate:** Arsenic  
- **Total Hardness:** 202.00  
- **Aluminium:** Barium  
- **Manganese:**  
- **Sulphate:** 191.16  
- **Beryllium:** Phosphate  
- **Chloride:** Cadmium  
- **Ion Balance:** 0.94  
- **Fluoride:** 0.13  
- **Chromium:** Amm. Nitrogen  
- **Iron:** 0.41  
- **Cobalt:** Total Phosphate  
- **TOC:** Copper  
- **Total Alkalinity:** 321.0  
- **Silica:** 10.50  
- **Lead:** Nitrate & Nitrite N  

**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 35-052-07 W5M**

Well Owner: Brightwood Youth Ranch Assoc  
Drilling Contractor: Morrill’S Water Well Drilling Ltd.

**General:**
- Type of Work: Deepened  
- Drilling Method: Rotary  
- Well Use: Domestic  
- Completed Depth: 70.1 m  
- NPWL (m): 41.2  
- Abandonment:

**Casing:**
- Type: Steel  
- Depth (m): 27.7  
- Bottom (m): 27.7  
- OD (mm): 141.2  
- Thickness (mm): 0.1  
- Seal Type: Bentonite Chips/Tabl  
- from (m): 57.9

**Liner:**
- Type:  
- OD (mm): 114.3  
- Thickness (mm): 0.1  
- Top (m): 20.7  
- Bottom (m): 70.1

**Screen:**
- Material:  
- OD (mm):  
- from (m):  
- to:  
- Thickness: Size:

**Open Hole:**
- from (m):  
- to:  

**Pump:**
- Model:  
- Intake (m): 48.8

**Testing:**
- Rate (lpm): 136.8  
- Time (minute): 120.0  
- Level End (m): 48.8  
- Rec'd intake (m):  
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- COD:
- SAR:
- TKN:
- Nitrate:
- Nitrite:
- Beryllium:
- Cadmium:
- Chromium:
- Cobalt:
- Copper:
- Lead:
- Calcium:
- Magnesium:
- Zinc:
- Iron:
- Total Alkalinity:
- Total Hardness:
- Amm. Nitrogen:
- Total Phosphate:
- Total Phosphate:
- Total Alkalinity:
- Total Hardness:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<th>(m)</th>
<th>Lithologic Description</th>
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<td>715.1 Old Well</td>
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<td>59.1</td>
<td>710.9 Shale Sandy Gray</td>
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<td>66.1</td>
<td>703.8 Sand &amp; Sandstone Gray</td>
</tr>
<tr>
<td>70.1</td>
<td>699.9 Shale Gray</td>
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</table>

**Additional Data:**
- Electric Log: No  
- Transmissivity: m³/day  
- Gamma Log: No  
- Storativity:  
- Aquifer Test: No  
- Project: Database: 1.000H  
- AEP Data: Yes Well Field Verified: No
**SW 35-052-07 W5M**

**Well Owner:** Spuehler, Theodore  
**Drilling Contractor:** Morrills Water Well Drilling Ltd.

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<tr>
<td>Elevation (AMSL) (m):</td>
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<td>Licence No.:</td>
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<tr>
<td>Date Started:</td>
<td>Easting: 4,420.45</td>
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<td>Date Completed:</td>
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**General:**
- Type of Work: New Well  
- Drilling Method: Rotary  
- Well Use: Stock  
- Completed Depth: 32.9 m  
- NPWL (m): 18.9  
- Abandonment:  

**Lithologic Description**

<table>
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<td>Brown</td>
</tr>
<tr>
<td>9.1</td>
<td>763.2</td>
<td>Clay</td>
<td></td>
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<tr>
<td>13.1</td>
<td>759.2</td>
<td>Sand</td>
<td>Brown</td>
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<tr>
<td>14.0</td>
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<td>Brown</td>
</tr>
<tr>
<td>21.0</td>
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<td>Sand &amp; Shale</td>
<td>Brown</td>
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<tr>
<td>22.6</td>
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<td>23.8</td>
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<tr>
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<td>Gray</td>
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<td>Gray</td>
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<td>31.7</td>
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<td>Gray</td>
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<td>32.9</td>
<td>739.4</td>
<td>Shale</td>
<td>Gray</td>
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</table>

**Casing:**
- Type: Plastic  
- Depth (m): 23.2  
- Bottom (m): 23.2  
- OD (mm): 139.7  
- Thickness (mm): 0.1  
- Seal Type: Driven  
- from (m): to 23.2  

**Liner:**
- Type: Driven  
- OD (mm): 114.3  
- Thickness (mm): 0.1  
- Top (m): 22.6  
- Bottom (m): 32.9  
- Perforated How: Machine  
- from (m): to 32.9  

**Screen:**
- Material:  
- OD (mm):  
- from (m): to Size:  
- from (m): to Size:  

**Open Hole:**
- from (m): to  

**Pump:**
- Model:  
- Intake (m): 27.4  
- Rate (lpm): 91.2  
- Time (minute): 120.0  
- Level End (m): 27.4  
- Drawdown (m): 8.5  
- Rec'd intake (m): 27.4  
- Rec'd Rate (lpm): 73.0  

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS  
- Sodium:  
- Nitrate:  
- Strontium:  
- Potassium:  
- Nitrite:  
- Molybdenum:  
- Calcium:  
- TN:  
- Vanadium:  
- Magnesium:  
- TC:  
- Zinc:  
- Carbonate:  
- DIC:  
- Hydroxide:  
- Bicarbonate:  
- Arsenic:  
- Total Hardness:  
- Aluminium:  
- Barium:  
- Manganese:  
- Sulphate:  
- Beryllium:  
- Phosphate:  
- Chloride:  
- Cadmium:  
- Ion Balance:  
- Fluoride:  
- Chromium:  
- Amm. Nitrogen:  
- Iron:  
- Cobalt:  
- Total Phosphate:  
- TOC:  
- Copper:  
- Total Alkalinity:  
- Silica:  
- Lead:  
- Nitrate&Nitrite N:  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**08-36-052-07 W5M**  
*Well Number: 06947*

**Well Owner:** Actor Ltd #345b  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 783  
**AEP:** 363115  
**Licence No.:** Easting: 7,423.41  
**Date Started:** Northing: 5,928,976.85  
**Date Completed:** 11 Mar 91

### General:
- **Type of Work:** Flowing Shot Hole  
- **Drilling Method:** Not Applicable  
- **Well Use:** Industrial  
- **Completed Depth (m):**  
- **NPWL (m):**  
- **Abandonment:** Plugged 11 Mar 91

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:

### Aquifer Test:
- **Project:** Database: 1.000H

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

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*printed on 2/20/98*
Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Not Applicable
- **Well Use:** Industrial
- **Completed Depth:** 46.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Plugged 01 Mar 91

## Casing:
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
  - from (m): to

## Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:
- from (m): to

## Pump:
- **Model:**
  - Intake (m):

## Testing:
- **Rate (lpm):**
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec'd intake (m):
  - Rec'd Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Chemical Constituents are in mg/l (ppm). Except as noted.

## Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

## Depth Elevation (BGL) (AMSL) Lithologic Description
<table>
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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Clay &amp; Shale</th>
</tr>
</thead>
<tbody>
<tr>
<td>46.0</td>
<td>716.0</td>
<td></td>
</tr>
</tbody>
</table>

## Electric Log: No Transmissivity: m³/day
- **Gamma Log: No Storativity:**
- **Aquifer Test: No**
- **Project:**
- **Database:** 1.000H

## AEP Data: Yes Well Field Verified: No
**General:**

- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Not Applicable
- **Well Use:** Industrial
- **Completed Depth:** 46.0 (m)
- **NPWL (m):** 716.0
- **Verified NPWL (m):**
- **Abandonment:** Plugged 11 Mar 91

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

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<th>Value</th>
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<td>Cond. (µS/cm)</td>
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<td>to</td>
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<td>Pump</td>
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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Not Applicable
- **Well Use:** Industrial
- **Completed Depth:** 14.0 (m)
- **Elevation (AMSL):** 741.3 (m)
- **Date Started:** 10 Jun 91
- **Drilling Contractor:** Unknown Driller
- **Well Owner:** Atcor Ltd #90-II 357a
- **Well Number:** 0695116-36-052-07 W5M
- **Licence No.:** Easting: 7,411.85
- **Northing:** 5,929,691.04
- **Date Completed:** 10 Jun 91

### Lithologic Description
- **Type:** Clay & Shale
- **Date:** 10 Jun 91
- **Abandonment:** Plugged

### Casing:
- **Type:**
- **Depth:** 1.000H
- **OD (mm):** 741.3
- **Thickness (mm):** 14.0
- **Seal Type:** Not Applicable
- **Drilled:** 10 Jun 91
- **Elevation:** 741.3
- **completed depth:** 741.3
- **NPWL:** 14.0
- **Verified NPWL:** 10 Jun 91

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **AEP Data:** Yes
- **Well Field Verified:** No
- **Database:** 1.000H

### Testing:
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

*printed on 2/20/98*
**General:**
- Type of Work: **Flowing Shot Hole**
- Drilling Method: **Not Applicable**
- Well Use: **Industrial**
- Completed Depth: **14.0 (m)**
- NPWL (m): **14.0**
- Verified NPWL (m): **741.3**
- Abandonment: **Plugged**
- Date Completed: **10 Jun 91**

**Casing:**
- Type: 
- Depth (m): 
- OD (mm): 
- Seal Type: 
- from (m): to

**Liner:**
- Type: 
- OD (mm): 
- Top (m): 
- Perforated How: 
- from (m): to Size: 
- from (m): to Size:

**Screen:**
- Material: 
- OD (mm): 
- from (m): to Size: 
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: 
- Intake (m):

**Testing:**
- Rate (lpm): 
- Time (minute):
- Level End (m): 
- Drawdown (m):
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminium: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No Transmissivity: m²/day
**Gamma Log:** No Storativity:
**Aquifer Test:** No
**Database:** 1.000H

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number 06952**
- Elevation (AMSL) (m): 755
- AEP: 363118
- Licence No.: Easting: 7,411.85
- Date Started: Northing: 5,925,691.04
- Date Completed: 10 Jun 91
### General:
- **Type of Work**: Flowing Shot Hole
- **Drilling Method**: Not Applicable
- **Well Use**: Industrial
- **Completed Depth**: 14.0 m
- **NPWL (m)**: Verified NPWL (m):
- **Abandonment**: Plugged 10 Jun 91

### Casing:
- **Type**:
- **Depth (m)**: Bottom (m):
- **OD (mm)**: Thickness (mm):
- **Seal Type**:
  - from (m): to

### Liner:
- **Type**:
- **OD (mm)**: Thickness (mm):
- **Top (m)**: Bottom (m):
- **Perforated How**:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material**:
- **OD (mm)**: from (m): to Size:
- **from (m): to Size**:

### Open Hole:
- **from (m): to**

### Pump:
- **Model**:
- **Intake (m)**:
- **Rate (lpm)**:
- **Time (minute)**:
- **Level End (m)**:
- **Drawdown (m)**:
- **Rec'd intake (m)**:
- **Rec'd Rate (lpm)**:

### Laboratory:
- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminium**
- **Sulphate**
- **Chloride**
- **Flouride**
- **Iron**
- **TOC**
- **Silica**
- **pH (pH unit)**
- **COD**
- **SAR**
- **TKN**
- **Nitrate**
- **Strontium**
- **Nitrite**
- **Nickel**
- **Selenium**
- **Molybdenum**
- **Potassium**
- **Vanadium**
- **Titanium**
- **Hydroxide**
- **Arsenic**
- **Total Hardness**
- **Manganese**
- **Phosphate**
- **Sulphate**
- **Cadmium**
- **Amm. Nitrogen**
- **Cobalt**
- **Total Phosphate**
- **Copper**
- **Total Alkalinity**
- **Lead**
- **Nitrate & Nitrite N**
- **Barium**
- **Iron**
- **Total Alkalinity**
- **Calcium**
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- **Phosphate**
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- **Ion Balance**
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- **Ammonium Nitrogen**
- **Chloride**
- **Flouride**
- **Iron**
- **TOC**
- **Silica**
- **pH (pH unit)**
- **COD**
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- **Total Phosphate**
- **Copper**
- **Total Alkalinity**
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- **Iron**
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- **Calcium**
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- **Cadmium**
- **Ion Balance**
- **Chromium**
- **Ammonium Nitrogen**
- **Chloride**
- **Flouride**
- **Iron**
- **TOC**
- **Silica**

### Electric Log:
- **Transmissivity**: m³/day
- **Gamma Log**: No Storativity:
- **Aquifer Test**: No
- **Project**: Database: 1.000H
- **AEP Data**: Yes Well Field Verified: No

**Remarks:**
Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Not Applicable
- **Well Use:** Industrial
- **Completed Depth:** 14.0 (m)
- **NPWL (m):** 741.3
- **Verified NPWL (m):**
- **Abandonment:** Plugged 10 Jun 91

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

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### Electric Log:
- **Transmissivity:** m²/day  

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Well Number 06954**

- **Well Owner:** Atcor Ltd #90-ll 359a
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 755
- **AEP:** 363120
- **Licence No.:**
- **Date Started:**
- **Northing:** 5,929,691.04
- **Date Completed:** 10 Jun 91

---

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
<th>(m)</th>
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**Lithologic Description**

- Clay & Shale
Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Number: 06956

**SW 36-052-07 W5M**

**Well Owner:** Maddock, Francis  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 773  
**Licence No.:** 443549

**Date Started:**  
**Date Completed:**

**Well Use:** Domestic  
**Easting:** 6,396.53  
**Northing:** 5,928,689.00

---

### General

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 27.4 m  
**NPWL (m):** 25.6 m  
**Verified NPWL (m):**

**Abandonment:**

### Casing

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

### Liner

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen

- **Material:**
- **OD (mm):**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Open Hole

- **from (m):** to

### Pump

- **Model:**

### Testing

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:** 842.0
- **SAR:**
- **Nitrate:**
- **Nitrite:**
- **Bicarbonate:**
- **Sulphate:** 87.89
- **Chloride:**
- **Fluoride:**
- **Iron:** 0.60
- **Aluminium:**
- **Barium:**
- **Magnesium:**
- **Calcium:**
- **Copper:**
- **Beryllium:**
- **Chromium:**
- **Cobalt:**
- **Cadmium:**
- **Vanadium:**
- **Molybdenum:**
- **Selenium:**
- **Total Hardness:** 30.00
- **Bicarbonate:**
- **Sulphate:**
- **Nitrate:**
- **Nitrite:**
- **Lead:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Iron:**
- **Aluminium:**
- **Barium:**
- **Magnesium:**
- **Calcium:**
- **Copper:**
- **Beryllium:**
- **Chromium:**
- **Cobalt:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Cadmium:**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation

**Completed Depth:** 61.0 (m)  
**NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Yes** Transmissivity: m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No Project:
- **AEP Data:** Yes Well Field Verified: No

### Depth Elevation (BGL) (AMSL) **Lithologic Description**

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<td>691.2</td>
<td>Clay Lacustrine</td>
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<td>676.9</td>
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</tr>
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<td>38.1</td>
<td>663.2</td>
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</tr>
<tr>
<td>42.7</td>
<td>658.6</td>
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<td>50.6</td>
<td>650.7</td>
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</tr>
<tr>
<td>61.0</td>
<td>640.3</td>
<td>Siltstone Hard</td>
</tr>
</tbody>
</table>

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **from (m):**
- **Thickness (mm):**

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Perforated How:**
- **from (m):**
- **Thickness (mm):**
- **Bottom (m):**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Acidity:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Yes**
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27
## NE 02-053-01 W5M

**Well Owner:** Adam, John  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.  
**Elevation (AMSL) (m):** 716  
**Licence No.:** 716  
**Date Started:** 05 Feb 72  
**Date Completed:** 05 Feb 72

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 73.2 (m)  
- **NPWL (m):** 61.0  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Galvanized Steel  
  - **Depth (m):** 63.1  
  - **Bottom (m):** 63.1  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
  - **from (m):** to 10.4

### Liner:
- **Type:**  
  - **OD (mm):** 92.0  
  - **Bottom (m):** 73.2  
- **Perforated How:**  
  - **from (m):** to 73.2  
  - **Size:**  
  - **from (m):** to Size:  
  - **from (m):** to Size:

### Screen:
- **Material:**  
  - **OD (mm):**  
  - **from (m):** to Size:  
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**
  - **Rate (lpm):** 9.1  
  - **Time (minute):** 630.0  
  - **Level End (m):**  
- **Rec’d intake (m):** 69.5  
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Nitrate:**  
- **TKN:**  
- **Sodium:**  
- **Strontium:**  
- **Potassium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Total Phosphate:**  
- **TOC:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **No** Transmissivity: m²/day  
- **No** Storativity:  
- **No** Aquifer Test:  
- **1.000H** Project: Database:  
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**printed on 2/20/98**
**Well Number:** 07202  
**Elevation (AMSL) (m):** 716  
**AEP:** 364903  
**Date Started:** 05 Jun 92  
**Date Completed:** 08 Jun 92  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Well Owner:** Hinkel, Allen  
**Licence No.:** Easting: 64,253.63 Northing: 5,931,785.50  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Stock  
- **Completed Depth:** 67.1 m  
- **NPWL (m):** 10.1  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 50.0  
- **Bottom (m):** 50.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Welded  
- **from (m):** to 50.0  
- **Type:** Shale Trap & Welded  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 48.8  
- **Bottom (m):** 67.1  
- **Perforated How:** Other  
- **from (m):** to 67.1  
- **Size:**  
- **from (m):** to Size:  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **Open Hole:**  
- **from (m):** to  
- **Pump:**  
- **Model:**  
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 36.6  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Strontium  
- **Nitrate:** Selenium  
- **Potassium:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **Carbonate:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Arsenic:** Total Hardness  
- **Barium:** Manganese  
- **Sulphate:** Phosphorus  
- **Beryllium:** Phosphorus  
- **Chloride:** Ion Balance  
- **Cadmium:** Amm. Nitrogen  
- **Chromium:** Cobalt  
- **Iron:** Total Phosphate  
- **Manganese:** Total Alkalinity  
- **Selenium:** Copper  
- **Strontium:** Total Alkalinity  
- **Sodium:** Lead  
- **Nitrate & Nitrite:** N  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Well Field Verified: No  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.  

*Water Well Positioned by PFRA in 10TM NAD 27*
# NE 02-053-01 W5M

**Well Owner:** Rolling Acres Farm C/O Adams, B  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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<td>(m)</td>
<td>(m)</td>
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<td>Completed Depth: 101.5 (m)</td>
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<td>Casing:</td>
<td>Depth (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>Type:</td>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>from (m):</td>
<td></td>
<td>to</td>
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<tr>
<td>Liner:</td>
<td>Type:</td>
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<td>OD (mm): 88.9</td>
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<td>to 100.6</td>
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<td>Size:</td>
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<td>from (m):</td>
<td>to</td>
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<td>Open Hole:</td>
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<td>Pump:</td>
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<tr>
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<td>Lead</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 92.7 m
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 60.0
- **Bottom (m):** 60.0
- **OD (mm):** 152.4
- **Thickniss (mm):** 0.1
- **Seal Type:** Formation Packer
- **from (m):** to 60.0

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 57.0
- **Bottom (m):** 91.7
- **Perforated How:** Machine
- **from (m):** to 91.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Iod Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**SE 02-053-01 W5M**

**Well Owner:** Goertz, Roy

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** 07204

**Elevation (AMSL) (m):** 711

**AEP:** 357883

**Licence No.:**

**Date Started:** 14 Feb 91

**Easting:** 64,364.50

**Northing:** 5,930,732.00

**Date Completed:** 19 Feb 91

**Project:**

**Database:** 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number: 07205**

**Well Owner:** Melanson, Marcel  
**Well Owner:** AEP

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 726  
**AEP:** 365789

**Date Started:** 11 Jun 92  
**Easting:** 63,452.88

**Date Completed:** 11 Jun 92  
**Northing:** 5,930,631.50

---

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

- **Completed Depth:** 91.4 (m)  
- **NPWL (m):** 13.7  
- **Verified NPWL (m):**

- **Abandonment:**

### Casing:

- **Type:** Plastic  
- **Depth (m):** 62.2  
- **Bottom (m):** 62.2  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 62.2

### Liner:

- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 61.0  
- **Bottom (m):** 91.4

- **Perforated How:** Other  
- **from (m):** to 76.2  
- **Bottom (m):** 91.4  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 68.4  
- **Time (minute):** 240.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 29.0  
- **Rec'd intake (m):**

### Laboratory:

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<th>Chemical Constituents</th>
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<td>Cond. (µS/cm)</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>

### Electric Log:

- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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*Chemical Constituents are in mg/l (ppm). Except as noted.*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.8 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 62.2
- **Bottom (m):** 62.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 62.2

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 61.0
- **Bottom (m):** 79.8

### Perforated How:
- **from (m):** to 79.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):** 39.6
- **Drawdown (m):** 18.3
- **Rec'd Rate (lpm):** 42.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Silicate:**
- **DIC:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Arsenic:**
- **Total Hardness:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** \( \text{m}^2/\text{day} \)

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Yes**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 05-053-01 W5M**

**Well Number:** 07207

**Well Owner:** Roy, Rene & Peggy

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 744

**AEP:** 351291

**Licence No.:**

**Date Started:** 28 May 90

**Date Completed:** 29 May 90

**Eastings:** 59,229.79

**Northings:** 5,931,695.00

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 78.6 (m)
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:

- **Type:** Plastic
- **Depth (m):** 59.4
- **Bottom (m):** 59.4
- **OD (mm):** 124.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** 59.4
- **to 59.4**

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 59.4
- **Bottom (m):** 77.7
- **Perforated How:** Machine
- **from (m):** 59.4
- **to 77.7**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 36.6
- **Drawdown (m):** 6.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **No**

### Project:

- **Database:** 1.000H

### AEP Data:

- **Yes**
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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**printed on 2/20/98**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **Elevation (AMSL):** 59 (m)
- **Licence No.:** Easting:
- **Easting:** 59,169.43
- **Date Started:** Nortthing:
- **Nortthing:** 5,930,930.00
- **Date Completed:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **DIC:** Hydroxide
- **Aquifer Test:** Total Hardness
- **Barium:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Nitrate
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**

### Well Field Verified:
- **No**

### Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-053-01 W5M**

**Well Owner:** Forget Me Not Greenhouse

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 758

**AP:** 418219

**Licence No.:**

**Date Started:** 31 Jul 95

**Date Completed:** 31 Jul 95

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 52.7 m
- **NPWL (m):** 14.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 47.2
- **Bottom (m):** 47.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from:**
- **to:** 44.2

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from:**
  - **to:**
  - **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from:** 47.2
- **to:** 48.8
- **Size:** 0.01

### Open Hole:
- **from:**
- **to:

### Pump:
- **Model:**
- **Intake (m):** 48.8

### Testing:
- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):** 16.5
- **Drawdown (m):** 2.4
- **Rec'd intake (m):** 24.4
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07209

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Printed on:** 2/20/98
**SE 05-053-01 W5M**

**Well Number:** 07210

**Well Owner:** Franchuk, Barry

**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 749

**AEP:** 355052

**Licence No.:**

**Date Started:** 18 Jan 88

**Date Completed:** 23 Jan 88

**Easting:** 59,325.52

**Northing:** 5,930,758.50

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 91.4 m
- **NPWL (m):** 28.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 67.1
- **Bottom (m):** 67.1
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 67.1

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):** 51.8
- **Testing:**
  - **Rate (lpm):** 25.1
  - **Time (minute):**
  - **Level End (m):** 45.7
  - **Drawdown (m):** 17.7
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 22.8

### Laboratory:

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<th>Value</th>
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<td>Cond. (µS/cm)</td>
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### Lithologic Description

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### Electric Log

- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NW 06-053-01 W5M

Well Owner: Leman, Victor
Drilling Contractor: Irmc Water Well Service & Supply Co. Ltd

Elevation (AMSL) (m): 768
AEP: 394147
Licence No.: 07211
Date Started: 01 Nov 74
Easting: 56,761.88
Date Completed: 06 Nov 74
Northing: 5,931,673.50

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<td>DIC</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 06-053-01 W5M**

**Well Owner:** Nordenlund, Paul

**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 768

**AEP:** 394144

**Licence No.:**

**Easting:** 56,761.88

**Date Started:** 15 Oct 74

**Northing:** 5,931,673.50

**Date Completed:** 18 Oct 74

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 94.5 m
- **NPWL (m):** 50.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 82.6
- **Bottom (m):** 82.6
- **OD (mm):** 116.8
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 82.6

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 4.6
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 81.1

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulfate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 06-053-01 W5M**

**Well Owner:** Rainville, Paul  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 761  
**AEP:** 364247  
**Date Started:**  
**Date Completed:**

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**General:**  
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 152.4 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

**Casing:**  
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  

**Liner:**  
- **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  

**Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Screen:**  
- **Material:**  
  - **OD (mm):** from (m): to **Size:**  
  - **from (m):** to **Size:**  

**Open Hole:**  
- **from (m):** to

**Pump:**  
- **Model:**  
- **Intake (m):**

**Testing:**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**  
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<th>COD</th>
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<td>TKN</td>
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<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 06-053-01 W5M**

**Well Owner:** Richard, Lawrence

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Well Number:** 07214

**Elevation (AMSL) (m):** 762

**AEP:** 353493

**Licence No.:**

**Easting:** 56,479.19

**Date Started:** 06 Nov 90

**Northing:** 5,931,513.00

**Date Completed:** 14 Nov 90

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 39.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 72.8
- **Bottom (m):** 72.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 72.8

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 69.8
- **Bottom (m):** 90.5

**Perforated How:** Machine
- **from (m):** 69.8 to 90.5
- **size:**
- **from (m):** to 90.5
- **size:**
- **from (m):** to 90.5
- **size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 67.1
- **Drawdown (m):** 27.4
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1,000H

**AEP Data:** Yes

**Well Field Verified:** No
**NW 06-053-01 W5M**

**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: **54.9 m**
- NPWL (m): **23.2**
- Abandonment:

**Casing:**
- Type: **Plastic**
- Depth (m): **51.8**
- Bottom (m): **51.8**
- OD (mm): **152.4**
- Thickness (mm): **0.1**
- Seal Type: **Bentonite Chips/Tabl**
  - from (m): **49.4** to **50.6**

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: **St**
- OD (mm): **1.2**
- from (m): **51.8** to **53.3**
- Size: **0.01**
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): **48.8**

**Testing:**
- Rate (lpm): **45.6**
- Time (minute): **120.0**
- Level End (m): **48.8**
- Drawdown (m): **25.6**
- Rec'd intake (m): **48.8**
- Rec'd Rate (lpm): **45.6**

**Laboratory:**
- pH (pH unit): **COD**
- Cond. (µS/cm): **SAR**
- TDS: **TKN**
- Sodium: **Nitrate**
- Potassium: **Nitrite**
- Calcium: **TN**
- Magnesium: **TC**
- Carbonate: **DIC**
- Bicarbonate: **Arsenic**
- Aluminum: **Barium**
- Sulphate: **Beryllium**
- Chloride: **Cadmium**
- Fluoride: **Chromium**
- Iron: **Cobalt**
- TOC: **Copper**
- Silica: **Lead**
- Electric Log: **No**
- Gamma Log: **No**
- Aquifer Test: **No**
- AEP Data: **Yes**
- Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 07216**

**Elevation (AMSL) (m): 759**  
**AEP: 366585**  
**Date Started: 23 Sep 92**  
**Easting: 57,768.01**  
**Nothing: 5,931,124.00**  
**Date Completed: 24 Sep 92**

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 67.1 (m)  
  - NPWL (m): 25.9  
  - Verified NPWL (m):  
- **Abandonment:**  

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 57.6  
- **Bottom (m):** 57.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Sand Pack  
  - from (m):  
  - to  

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
  - from (m):  
  - to  
  - Size:  
  - from (m):  
  - to  
  - Size:  
  - from (m):  
  - to  
  - Size:  

**Screen:**
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 57.6  
- **to:** 59.1  
- **Size:** 0.01  
- **Open Hole:**  
  - from (m):  
  - to  

**Pump:**
- **Model:**  
- **Intake (m):** 56.4  

**Testing:**
- **Rate (lpm):** 91.2  
- **Time (minute):** 180.0  
- **Level End (m):** 33.5  
- **Drawdown (m):** 7.6  
- **Rec'd intake (m):** 48.8  
- **Rec'd Rate (lpm):**

---

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrile:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SE 06-053-01 W5M**

**Well Owner:** Bigelow, Ken  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 764  
**AEP:** 353723  
**Licence No.:** Easting: 57,780.56  
**Date Started:** 29 Aug 90  
**Northing:** 5,930,929.50  
**Date Completed:** 05 Sep 90

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 100.6 (m)  
  - NPWL (m): 27.4  
  - Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
  - Depth (m): 70.1  
  - Bottom (m): 70.1  
  - OD (mm): 139.7  
  - Thickness (mm): 0.1  
- **Seal Type:** Drive Shoe  
  - from (m): to 70.1  

### Liner:
- **Type:**  
  - OD (mm): 114.3  
  - Thickness (mm): 0.1  
  - Top (m): 64.0  
  - Bottom (m): 97.5  
  - Perforated How: Other  
  - from (m): 79.2 to 97.5  
  - Size:  
  - from (m): to Size:  
  - from (m): to Size:  

### Screen:
- **Material:**  
  - OD (mm): from (m): to Size:  
  - from (m): to Size:  

### Open Hole:
- **Size:**  
  - from (m): to  

### Pump:
- **Model:** Gould  
  - Intake (m): 72.5  

### Testing:
- **Rate (lpm):** 20.5  
  - Time (minute): 120.0  
- **Level End (m):** 70.1  
  - Drawdown (m): 42.7  
- **Rec'd intake (m):** 72.5  
  - Rec'd Rate (lpm): 18.2  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Phenol:**  
- **COD:**  
- **SAR:**  
- **TN:**  
- **DIC:**  
- **TC:**  
- **Bicarbonate:**  
- **Calcium:**  
- **Magnesium:**  
- **Barium:**  
- **Beryllium:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Phenol:**  

### Lithologic Description:

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### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
  - Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**printed on 2/20/98**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 77.7 (m)
- **NPWL (m):** 28.0
- **Verified NPWL (m):**
- **Abandonment:**

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<td>Bottom (m):</td>
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<td>OD (mm):</td>
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<tr>
<td>Thickness (mm):</td>
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<td>Seal Type:</td>
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<td>Top (m): to Bottom (m):</td>
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</tr>
<tr>
<td>from (m): to Size:</td>
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<table>
<thead>
<tr>
<th>Open Hole</th>
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</tr>
</thead>
<tbody>
<tr>
<td>from (m): to</td>
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<table>
<thead>
<tr>
<th>Pump</th>
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<tbody>
<tr>
<td>Model:</td>
<td></td>
</tr>
<tr>
<td>Intake (m):</td>
<td></td>
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</tbody>
</table>

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 480.0
- **Level End (m):** 64.0
- **Drawdown (m):** 36.0
- **Rec'd intake (m):** 64.0
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit) | COD | Mercury**
- **Cond. (µS/cm) | SAR | Nickel**
- **TDS | TKN | Selenium**
- **Sodium | Nitrate | Strontium**
- **Potassium | Nitrite | Molybdenum**
- **Calcium | TN | Vanadium**
- **Magnesium | TC | Zinc**
- **Carbonate | DIC | Hydroxide**
- **Bicarbonate | Arsenic | Total Hardness**
- **Aluminum | Barium | Manganese**
- **Sulphate | Beryllium | Phosphorus**
- **Chloride | Cadmium | Ion Balance**
- **Fluoride | Chromium | Amm. Nitrogen**
- **Iron | Cobalt | Total Phosphate**
- **TOC | Copper | Total Alkalinity**
- **Silica | Lead | Nitrate&Nitrite N**

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>11.6</td>
<td>744.9</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>19.2</td>
<td>737.3</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>19.5</td>
<td>737.0</td>
<td>Gravel</td>
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<td>25.9</td>
<td>730.6</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>28.4</td>
<td>728.1</td>
<td>Silt Sandy</td>
</tr>
<tr>
<td>43.6</td>
<td>712.9</td>
<td>Silt Sandy</td>
</tr>
<tr>
<td>60.4</td>
<td>696.1</td>
<td>Sand</td>
</tr>
<tr>
<td>68.6</td>
<td>687.9</td>
<td>Silt Sandy</td>
</tr>
<tr>
<td>69.2</td>
<td>687.3</td>
<td>Shale Green</td>
</tr>
<tr>
<td>72.2</td>
<td>684.3</td>
<td>Sandstone Soft Gray</td>
</tr>
<tr>
<td>72.5</td>
<td>684.0</td>
<td>Shale Green</td>
</tr>
<tr>
<td>77.7</td>
<td>678.8</td>
<td>Sandstone Soft Gray</td>
</tr>
</tbody>
</table>

### Electric Log
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Amm. Nitrogen:**
- **Amm. Nitrogen:**
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate&Nitrite N
- **Amm. Nitrogen:**
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate&Nitrite N
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Well Owner:** Gerrard, Carole
- **Drilling Contractor:** Rodco Drilling

### Well Information:

- **Well Number:** 07219
- **Elevation (AMSL) (m):** 752
- **AEP:** 352490
- **Licence No.:** Easting: 57,887.21
- **Easting:** 5,930,645.00
- **Date Started:** 29 Sep 90
- **Date Completed:** 30 Sep 90

### Lithologic Description:

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<tr>
<th>Depth (BGL) (m)</th>
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<tr>
<td>8.8</td>
<td>743.0 Clay</td>
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<tr>
<td>36.0</td>
<td>715.9 Clay Blue</td>
</tr>
<tr>
<td>39.6</td>
<td>712.2 Silt</td>
</tr>
<tr>
<td>59.4</td>
<td>692.4 Sand Clayey</td>
</tr>
<tr>
<td>65.5</td>
<td>686.3 Shale</td>
</tr>
<tr>
<td>65.8</td>
<td>686.0 Sandstone</td>
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<tr>
<td>68.3</td>
<td>683.5 Shale</td>
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<tr>
<td>69.8</td>
<td>682.0 Sandstone</td>
</tr>
<tr>
<td>70.1</td>
<td>681.7 Shale</td>
</tr>
</tbody>
</table>

### Casing:

- **Type:** Steel
  - **Depth (m):** 60.7
  - **Bottom (m):** 60.7
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 60.7

### Liner:

- **Type:**
  - **OD (mm):**
    - **Thickness (mm):**
      - **Top (m):**
        - **Bottom (m):**

### Screen:

- **Material:**
  - **OD (mm):**
    - **Thickness (mm):**
      - **from (m):** to Size:
      - **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
  - **Intake (m):** 54.9

### Testing:

- **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
  - **Level End (m):** 37.8
  - **Drawdown (m):** 21.0
  - **Rec'd intake (m):**
    - **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TN:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Chromium:**
- **Copper:**
- **Total Alkalinity:**
- **Cadmium:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Calcium:**
- **Bicarbonate:**
- **Barium:**
- **Phosphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TN:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Chromium:**
- **Copper:**
- **Total Alkalinity:**
- **Cadmium:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Calcium:**
- **Bicarbonate:**
- **Barium:**
- **Phosphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
  - **Database:** 1.000H

### AEP Data:

- **Well Field Verified:** No

### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27

---

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.8 m
- **NPWL (m):** 25.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 67.7
- **Bottom (m):** 67.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 67.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 65.8
- **Bottom (m):** 79.2
- **Perforated How:** Saw
- **from (m):** 68.3 to 79.2
- **from (m):**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **from (m):**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 65.5

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **Electric Log:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:**

### Remarks:

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Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number: 07220**
- **Elevation (AMSL) (m):** 762
- **AEP:** 368883
- **Date Started:** 24 Mar 93
- **Easting:** 57,914.81
- **Licence No.:**
- **Northing:** 5,931,001.00
- **Date Completed:** 25 Mar 93
SE 06-053-01 W5M

Well Owner: Hinacker, Len

Drilling Contractor: D&D Water Well Drilling & Services

Well Number 07221

Elevation (AMSL) (m): 747
Licence No.: 418220
Date Started: 29 Jul 95
Date Completed: 29 Jul 95

Easting: 57,868.64
Northing: 5,930,588.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 93.6 (m)
NPWL (m): 15.5 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 71.3 Bottom (m): 71.3
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m):  to 71.3

Liner:
Type: Plastic
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 69.8 Bottom (m): 93.6
Perforated How: Saw
from (m): 79.2 to 91.1 Size:
from (m):  to Size:
from (m):  to Size:

Screen:
Material:
OD (mm):
from (m):  to Size:
from (m):  to Size:

Open Hole:
from (m):  to

Pump:
Model: Intake (m): 93.6

Testing:
Rate (lpm): Time (minute): 120.0
Level End (m): 57.6 Drawdown (m): 42.1
Rec'd intake (m): 24.4 Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

printed on 2/20/98
# SE 06-053-01 W5M

Well Owner: **Ireland, Dave**
Drilling Contractor: **D&D Water Well Drilling & Services**

<table>
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<th>Well Number</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m):</td>
<td><strong>752</strong></td>
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<tr>
<td>AEP:</td>
<td><strong>373914</strong></td>
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<td>Licence No.:</td>
<td><strong>57,911.05</strong></td>
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<tr>
<td>Date Started:</td>
<td><strong>11 Aug 93</strong></td>
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<tr>
<td>Northing:</td>
<td><strong>5,936,734.00</strong></td>
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<tr>
<td>Date Completed:</td>
<td><strong>11 Aug 93</strong></td>
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</tbody>
</table>

## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 m
- **NPWL (m):** 19.8
- **Verified NPWL:** (m):
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 59.4
- **Bottom (m):** 59.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
  - from (m): 2.7 to 59.4

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 76.2

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 76.2

### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 180.0
- **Level End (m):** 37.8
- **Drawdown (m):** 18.0
- **Rec'd intake (m):** 36.6
- **Rec'd Rate (lpm):** 36.5

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: **1.000H**
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27

---

Printed on 2/20/98
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m):
  - to

**Liner:**
- **Type:**
  - OD (mm):
  - Top (m):
  - from (m):
  - to

**Screen:**
- **Material:**
  - OD (mm):
  - from (m):
  - to

**Open Hole:**
- **from (m):**
  - to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
  - Time (minute):
- **Level End (m):**
  - Drawdown (m):
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):** COD
  - SAR
- **Cond. (µS/cm):** TDS
  - Sodium
- **Potassium:**
  - Calcium
- **Magnesium:**
  - Carbonate
  - Bicarbonate
- **Aluminium:**
  - Sulphate
  - Chloride
- **Fluoride:**
  - Iron
- **TOC:**
- **Silica:**
  - Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 24.4
- **Verified NPWL (m):** 24.4

### Casing:
- **Type:** Steel
- **Depth (m):** 62.5
- **Bottom (m):** 62.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Ring
- **from (m):** 62.2
- **to:** 62.5

### Liner:
- **Type:** Steel
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 61.0
- **Bottom (m):** 73.2
- **Perforated How:** Machine
- **from (m):** 61.0
- **to:** 73.2
- **Size:**

### Screen:
- **Material:** Steel
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 38.1
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 38.1
- **Drawdown (m):** 13.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrates:** Strontium
- **Nitrites:** Molybdenum
- **TN:** Vanadium
- **NC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Sulphate:** Manganese
- **Chloride:** Phosphate
- **Fluoride:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead
- **oC:** Nitrate
- **oC:** Nitrite

### Electric Log:
- **No Transmissivity:** m<sup>2</sup>/day
- **Gamma Log:** No Storativity:

### Aquifer Test:
- **No Project:**
- **Database:** 1.000H

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Well Number 07224

- **SE 06-053-01 W5M**
- **Well Owner:** Taylor, Jim
- **Drilling Contractor:** Summers, David Drilling
- **Elevation (AMSL) (m):** 751
- **AEP:** 357689
- **Date Started:** 16 Jun 90
- **Date Completed:** 17 Jun 90
- **Licence No.:**
- **Easting:** 57,470.65
- **Northing:** 5,930,557.00

### Depth Elevation
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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.7</td>
<td>737.0</td>
<td>Sand Silty</td>
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<tr>
<td>18.3</td>
<td>732.5</td>
<td>Clay Yellow</td>
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<td>19.2</td>
<td>731.5</td>
<td>Clay Brown</td>
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<td>24.4</td>
<td>726.4</td>
<td>Sand &amp; Rocks</td>
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<tr>
<td>27.4</td>
<td>723.3</td>
<td>Silt Gray</td>
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<td>35.0</td>
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<td>711.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>49.7</td>
<td>701.1</td>
<td>Silt Blue</td>
</tr>
<tr>
<td>54.9</td>
<td>695.9</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>58.8</td>
<td>691.9</td>
<td>Clay Blue</td>
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<tr>
<td>60.0</td>
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</tr>
<tr>
<td>63.1</td>
<td>687.7</td>
<td>Shale Green</td>
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<tr>
<td>67.1</td>
<td>683.7</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>68.6</td>
<td>682.2</td>
<td>Shale Gray</td>
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<td>70.1</td>
<td>680.6</td>
<td>Shale Green</td>
</tr>
<tr>
<td>73.2</td>
<td>677.6</td>
<td>Sandstone Gray</td>
</tr>
</tbody>
</table>

### Water Well Positioned by PFRA in 10TM NAD 27
**SE 06-053-01 W5M**

**Well Owner:** Williams, George G  
**Drilling Contractor:** Rodco Drilling  
**Well Number:** 07225

<table>
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<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>BGL</strong></td>
<td><strong>AMSL</strong></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<td></td>
</tr>
<tr>
<td><strong>Completed Depth</strong>: 38.1</td>
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</tr>
<tr>
<td><strong>NPWL (m):</strong> 10.1</td>
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<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 38.1
- **Bottom (m):** 38.1
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1

**Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 33.5

**Liner:**
- **Type:** St
- **OD (mm):** 1.2
- **Thickness (mm):**
  - from (m): to 36.6
  - **Size:** 38.1
  - **Size:** 0.01
- **Bottom (m):** 38.1
- **Top (m):**

**Screen:**
- **Material:**
  - **OD (mm):** 1.2
  - **from (m):** to 36.6
  - **to:** 38.1
  - **Size:** 0.01
- **Bottom (m):** 38.1
- **Top (m):**

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**
- **Intake (m):** 33.2

**Testing:**
- **Rate (lpm):** 41.1
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 20.4
- **Rec'd Rate (lpm):** 33.2
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Selenium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:**

**AEP Data:** Yes  
**Well Field Verified:** No

**Database:** 1.000H

---

Printed on 2/20/98
**Well Information**

**Well Number:** 07226

**Well Owner:** Kivette, K.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 770

**AEP:** 369450

**Date Started:** 31 May 93

**Easting:** 56,610.82

**Licence No.:** Easting: 56,610.82

**Date Completed:** 07 Jun 93

**Northing:** 5,931,168.00

---

### General Information

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 97.5 m
- **NPWL (m):** 35.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Plastic
- **Depth (m):** 74.1
- **Bottom (m):** 74.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 72.5 to 74.1

### Liner

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 70.1
- **Bottom (m):** 97.5
- **Perforated How:** Saw
- **from (m):** 79.2 to 85.3
- **Size:**
- **from (m):** 88.4 to 94.5
- **Size:**
- **from (m):**
- **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole

- **from (m):**

### Pump

- **Model:** Gould 5g07422
- **Intake (m):** 68.6

### Testing

- **Rate (lpm):** 27.4
- **Time (minute):** 180.0
- **Level End (m):** 68.6
- **Drawdown (m):** 32.9
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Well Field Verified: No**

---

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Electric Test:**

**TOC:**

**Copper:**

**Total Alkalinity:**

**Silica:**

**Lead:**

**Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Printed on 2/27/98**
Well Number: 07227

Well Owner: Knight, Denise
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 751
Licence No.: 366443
Date Started: Easting: 56,910.26
Date Completed: Northing: 5,930,507.50

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth (m):
NPWL (m):
Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
Bottom (m):
OD (mm):
Thickness (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):

Testing:
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
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<td>TN</td>
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<td>TC</td>
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<td>DIC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:
Well Owner: Mykvla, Ben  
Drilling Contractor: D&D Water Well Drilling & Services

General:
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 97.5 m  
NPWL (m): 36.0  
Abandonment: 

Casing:
Type: Plastic  
Depth (m): 78.6  
Bottom (m): 78.6  
OD (mm): 152.4  
Thickness (mm): 0.1  
Seal Type: Shale Trap & Welded  
from (m): to 78.6

Liner:
Type:  
OD (mm): 114.3  
Thickness (mm): 0.1  
Top (m): 77.4  
Bottom (m): 97.5  
Perforated How: Other  
from (m): 79.2 to 97.5  
Size:  
from (m): to Size:  
from (m): to Size:

Screen:
Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size:

Open Hole:  
from (m): to

Pump:
Model:  
Intake (m):  

Testing:
Rate (lpm): 45.6  
Time (minute): 240.0  
Level End (m): 61.0  
Drawdown (m): 25.0  
Rec'd intake (m):  
Rec'd Rate (lpm): 

Laboratory:
pH (pH unit):  
COD: Mercury  
Cond. (µS/cm):  
SAR: Nickel  
TDS:  
TKN: Selenium  
Sodium: Strontium  
Nitrate:  
Nitrite: Molybdenum  
Calcium: Vanadium  
Magnesium: Zinc  
Carbonate: Hydroxide  
Bicarbonate: Arsenic  
Aluminium: Total Hardness  
Barium: Manganese  
Sulphate: Beryllium  
Beryllium: Phosphorus  
Chloride: Ion Balance  
Cadmium:  
Fluoride: Chromium  
Amm. Nitrogen:  
Iron: Cobalt  
Total Phosphate:  
TOC: Copper  
Total Alkalinity:  
Silica: Lead  
Nitrate & Nitrite: N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks: Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 95.1 (m)
  - NPWL (m): 
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - **Depth (m):**
  - **OD (mm):**
  - **Seal Type:**
    - **from (m):**
    - **to:**

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Top (m):**
  - **Bottom (m):**
  - **Perforated How:**
    - **from (m):**
    - **to:**
    - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
  - **Intake (m):**

**Testing:**
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**

**Laboratory:**
- **28 Jun 82**
  - **pH (pH unit):** 6.30
  - **Cond. (µS/cm):** 21.00
  - **TDS:** 15.00
  - **Sodium:** 2.99
  - **Potassium:**
  - **Calcium:**
  - **Magnesium:**
  - **Carbonate:**
  - **Bicarbonate:** 6.71
  - **Aluminum:**
  - **Sulphate:**
  - **Chloride:**
  - **Fluoride:**
  - **Iron:** 0.16
  - **TOC:**
  - **Silica:**

  **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
- **Elevation (BGL) (AMSL)**
  - **(m) (m)**
  - **Lithologic Description**

**Remarks:**
- Electric Log: No
  - Transmissivity: m³/day
  - Gamma Log: No
  - Storativity:
  - Aquifer Test: No
  - Project: Database: 1.000H
  - AEP Data: Yes
  - Well Field Verified: No

*Printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 105.2 m
- **NPWL (m):** 36.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 83.8
- **Bottom (m):** 83.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 83.8

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 80.8
- **Bottom (m):** 105.2
- **Perforated How:** Machine
- **from (m):** to 105.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 91.4
- **Testing:**
  - **Rate (lpm):** 13.7
  - **Time (minute):** 120.0
  - **Level End (m):** 79.2
  - **Rec'd intake (m):** 91.4

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:** Yes
- **Database:** 1.000H

### Water Well Positioned by PFRA in 10TM NAD 27
**SE 07-053-01 W5M**

**Well Number: 07231**

**Well Owner:** Mitchell, Gary  
**Drilling Contractor:** Kap’S Drilling Ltd.

**Elevation (AMSL) (m):** 756  
**AEP:** 369941  
**Licence No.:** Easting: 57,626.21  
**Date Started:** Northing: 5,932,539.50  
**Date Completed:** 06 May 93

### General:

- **Type of Work:** Old Well-Test  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 74.4 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

#### Casing:

- **Type:** Steel  
- **Depth (m):** Bottom (m):  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Seal Type:** from (m): to  

#### Liner:

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

#### Screen:

- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

#### Open Hole:

- **from (m):** to  

#### Pump:

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**  

### Laboratory:

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</table>

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**AEP Data:** Yes  
**Well Field Verified:** No

**Database:** 1.000H

**Project:**

- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** Yes  
- **Storativity:**  
- **Aquifer Test:** No  
- **AEP Data:** Yes

**Chemical Constituents are in mg/l (ppm). Except as noted.**

*Remarks:*

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:** Unknown
  - **Depth (m):** 54.3
  - **Bottom (m):** 54.3
  - **OD (mm):** 127.0
  - **Thickness (mm):**
  - **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:
  - **from (m): to Size:**
  - **from (m): to Size:**
- **Screen:**
  - **Material:** Un
  - **OD (mm):** 1.2
  - **from (m):** 54.3 to 56.7
  - **Size:** 0.01
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 34.2
  - **Time (minute):** 960.0
  - **Level End (m):** 28.0
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitratenitrate:**
- **Nitratenitrite:**
- **Arsenic:**
- **Selenium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitratenitrate N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 07233**

**Well Owner:** Krest, Brian  
**Drilling Contractor:** Kap'S Drilling Ltd.

## General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 115.8 (m)  
- **NPWL (m):** 50.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

## Casing:
- **Type:** Plastic  
- **Depth (m):** 73.2  
- **Bottom (m):** 73.2  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.2  
- **Seal Type:** Driven  
- **from (m):** to 70.1  

## Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

## Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** to 74.7  
- **Size:** 0.01  
- **from (m):** to Size:  
- **from (m):** to  

## Open Hole:
- **from (m):**  

## Pump:
- **Model:** Berkley 7mg16  
- **Intake (m):** 70.1  

## Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 180.0  
- **Level End (m):** 70.1  
- **Drawdown (m):** 19.8  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

## Laboratory:

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<tr>
<td>Iron</td>
<td>Cobalt</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Electric Log</td>
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</tr>
<tr>
<td>Gamma Log</td>
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</tr>
<tr>
<td>Aquifer Test</td>
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<tr>
<td>Transmissivity</td>
<td>m³/day</td>
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<tr>
<td>Storativity</td>
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<tr>
<td>AEP Data</td>
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</tr>
<tr>
<td>Well Field Verified</td>
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</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: SW 07-053-01 W5M

Well Owner: Ogle, D
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 775
Licence No.: 369451
Date Started: 08 Jun 93
Easting: 56,518.57
Date Completed: 11 Jun 93
Northing: 5,932,379.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 103.6 (m)
NPWL (m): 38.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 81.4 Bottom (m): 81.4
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Bentoni
from (m): 78.8 to 81.4

Linier:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 79.2 Bottom (m): 103.6
Perforated How: Saw
from (m): 88.4 to 100.6 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Gould 5g07422 Intake (m): 73.2

Testing:
Rate (lpm): 22.8 Time (minute): 420.0
Level End (m): 73.2 Drawdown (m): 34.8
Rec'd intake (m): 79.2 Rec'd Rate (lpm): 22.8

Laboratory:

| pH (pH unit) | COD | Electric Log: No |
| Cond. (µS/cm) | SAR | Transmissivity: m³/day |
| TDS | TKN | Gamma Log: No |
| Sodium | Nitrate | Storativity: |
| Potassium | Nitrite | Aquifer Test: No |
| Calcium | TC | Project: Database: 1.000H |
| Magnesium | DIC | AEP Data: Yes |
| Carbonate | Arsenic | Well Field Verified: No |
| Bicarbonate | Strontium | |
| Aluminium | Barium | |
| Sulphate | Beryllium | |
| Chloride | Cadmium | |
| Fluoride | Chromium | |
| Iron | Cobalt | |
| TOC | Copper | |
| Silica | Lead | |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 97.5 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

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<th>pH (pH unit)</th>
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<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
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<td>TDS</td>
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<td>Cadmium</td>
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<tr>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
SE 08-053-01 W5M

Well Owner: Burns, M.
Drilling Contractor: Cobob Pumps And Services Ltd.

Well Number: 07236
Elevation (AMSL) (m): 746
AEP: 351406
Licence No.: 59,464.33
Date Started: 04 Jun 90
Northing: 5,932,331.00
Date Completed: 15 Jun 90

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<tr>
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<td>Type of Work: New Well</td>
<td>(m)</td>
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<td>Drilling Method: Rotary</td>
<td>(BGL) (AMSL)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>(m)</td>
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<tr>
<td>Completed Depth 53.3</td>
<td>50.3</td>
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<tr>
<td>NPWL (m): 24.4</td>
<td>695.6</td>
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<tr>
<td>Verified NPWL (m):</td>
<td>Sand</td>
</tr>
<tr>
<td>Abandonment:</td>
<td>51.2</td>
</tr>
</tbody>
</table>

| Type: Plastic |
| Depth (m): | 51.8 |
| Bottom (m): | 51.8 |
| OD (mm): 152.4 |
| Thickness (mm): 0.1 |
| Seal Type: |
| from (m): |
| to |

| Liner: |
| Type: Plastic |
| OD (mm): |
| Thickness (mm): |
| Top (m): |
| Bottom (m): |
| Perforated How: |
| from (m): |
| to |
| Size: |
| from (m): |
| to |
| Size: |
| from (m): |
| to |

| Screen: |
| Material: St |
| OD (mm): 1.2 |
| from (m): 51.8 |
| to 53.3 |
| Size: 0.10 |
| from (m): |
| to |

| Open Hole: |
| from (m): |
| to |

| Pump: Sub |
| Model: Gould |
| Intake (m): 51.2 |
| Testing: |
| Rate (lpm): 45.6 |
| Time (minute): 180.0 |
| Level End (m): 48.8 |
| Drawdown (m): 24.4 |
| Rec'd Rate (lpm): 27.4 |

| Laboratory: |
| pH (pH unit): |
| Cond. (µS/cm): |
| TDS: |
| Sodium: |
| Potassium: |
| Calcium: |
| Magnesium: |
| Carbonate: |
| Bicarbonate: |
| Aluminium: |
| Sulphate: |
| Chloride: |
| Fluoride: |
| Iron: |
| TOC: |
| Silica: |
| COD: |
| SAR: |
| TKN: |
| Nitrate: |
| Molybdenum: |
| Vanadium: |
| Zinc: |
| Hydroxide: |
| Arsenic: |
| Strontium: |
| Manganese: |
| Phosphate: |
| Se: |
| Amm. Nitrogen: |
| Total Phosphate: |
| Copper: |
| Total Alkalinity: |
| Lead: |
| Nitrate&Nitrite N: |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 39.0 (m)
- **NPWL (m):** 12.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 35.0  Bottom (m): 35.0
- **OD (mm):** 152.4  Thickness (mm): 0.1
- **Seal Type:** from (m):  to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m):  to  Size:  
- **from (m):** to  Size:  
- **from (m):** to  Size:  

**Screen:**
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 35.0  to 36.6  Size:  
- **from (m):** to  Size:  

**Open Hole:**
- from (m):  to

**Pump:**
- **Model:** Intake (m):  

**Testing:**
- **Rate (lpm):** 63.9  Time (minute): 420.0
- **Level End (m):** 18.3  Drawdown (m): 6.1
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH:**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Nitrite:**  
- **Beryllium:**  
- **Cadmium:**  
- **Copper:**  
- **Lead:**  
- **Mercury:**  
- **Nickel:**  
- **Selenium:**  
- **Total Hardness:**  
- **Molybdenum:**  
- **Vanadium:**  
- **Zinc:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Manganese:**  
- **Phosphate:**  
- **Ion Balance:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Lead:**  
- **Nitrate & Nitrite:**  

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

(printed on 2/20/98)
**SE 08-053-01 W5M**

**Well Owner:** Thomas, Bain  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 746  
**Licence No.:** 356901  
**Date Started:**  
**Date Completed:**  
**Easting:** 59,461.98  
**Northing:** 5,932,342.00

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<td>(m) (m)</td>
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<td><strong>Well Use:</strong> Domestic</td>
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<tbody>
<tr>
<td><strong>Type:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Depth (m):</strong></td>
<td>Bottom (m):</td>
</tr>
<tr>
<td><strong>OD (mm):</strong></td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td><strong>Seal Type:</strong></td>
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</tr>
<tr>
<td><strong>from (m):</strong></td>
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<td>Thickness (mm):</td>
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<tr>
<td><strong>Top (m):</strong></td>
<td>Bottom (m):</td>
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<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
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<td><strong>from (m):</strong></td>
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</tr>
<tr>
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</tr>
<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
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<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
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<th>Open Hole:</th>
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<td>Intake (m):</td>
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<td><strong>Rate (lpm):</strong></td>
<td>Time (minute):</td>
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<td><strong>Level End (m):</strong></td>
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<td>Rec'd Rate (lpm):</td>
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<tr>
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<td>TN Vanadium</td>
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<td>DIC Hydroxide</td>
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<tr>
<th>Electric Log: No</th>
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<tr>
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<td>Storativity:</td>
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<td>Aquifer Test: No</td>
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<td><strong>Project:</strong></td>
<td>Database: 1.000H</td>
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<tr>
<td><strong>AEP Data:</strong> Yes</td>
<td><strong>Well Field Verified:</strong> No</td>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Old Well-Test
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 46.6 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Unknown
- **Depth (m):** 46.6
- **Bottom (m):** 46.6
- **OD (mm):** 114.3
- **Thicknes (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (μS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Potassium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 07240

**Well Owner:** Backs, J.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

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<th>Depth</th>
<th>Elevation (BGL)</th>
<th>Lithologic Description</th>
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<td>2.1</td>
<td>752.2</td>
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<td>5.5</td>
<td>748.8</td>
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<td>33.2</td>
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<td>36.0</td>
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<td>44.8</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.4 (m)
- **NPWL (m):** 11.3 (Verified NPWL (m):)
- **Abandonment:**

## Casing:

- **Type:** Steel
- **Depth (m):** 54.0
- **Bottom (m):** 54.0
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven from (m): to 54.0

## Liner:

- **Type:**
- **OD (mm):** 76.2
- **Thickness (mm):**
- **Top (m):** 53.3
- **Bottom (m):** 59.4
- **Perforated How:** Machine from (m): to 59.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:

- **from (m):** to

## Pump:

- **Model:**
- **Intake (m):** 51.8

## Testing:

- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 59.4
- **Drawdown (m):** 48.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

## Laboratory:

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## Lithologic Description:

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<th>Lithologic Description</th>
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<td>59.4</td>
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## Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Water Well Positioned by PFRA in 10TM NAD 27**
SW 08-053-01 W5M

Well Owner: Houston, Robert
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 751
AEP: 369739
Licence No.: Easting: 58,582.20
Date Started: 13 Jul 93
Northing: 5,932,234.50
Date Completed: 15 Jul 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 87.8 (m)
NPWL (m): 23.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 68.0 Bottom (m): 68.0
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): to 68.0

Liner:
Type: Plastic
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 66.4 Bottom (m): 87.8
Perforated How: Saw
from (m): 77.7 to 86.9 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 87.8

Testing:
Rate (lpm): 31.9 Time (minute): 120.0
Level End (m): 48.8 Drawdown (m): 25.0
Rec'd intake (m): 48.8
Rec'd Rate (lpm): 27.4

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Boron:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**SW 08-053-01 W5M**

**Well Owner:** Therox, Richard  
**Drilling Contractor:** D&D Water Well Drilling & Services  

---

**General:**  
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 86.3 (m)  
NPWL (m): 23.2  
Abandonment:  

**Casing:**  
Type: Plastic  
Depth (m): 70.1  
Bottom (m): 70.1  
OD (mm): 152.4  
Thickness (mm): 0.1  
Seal Type: Shale Trap & Bentonite  
from (m): to 70.1

**Liner:**  
Type:  
OD (mm): 114.3  
Thickness (mm): 0.1  
Top (m): 68.9  
Bottom (m): 86.3  
Perforated How: Saw  
from (m): 73.2  
to 86.3

**Screen:**  
Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size:

**Open Hole:**  
from (m): to  

---

**Pump:**  
Model:  
Intake (m): 56.4  

**Testing:**  
Rate (lpm): 91.2  
Time (minute): 120.0  
Level End (m): 42.7  
Drawdown (m): 22.6  
Rec'd Rate (lpm): 42.7  
Rec'd intake (m): 45.6

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**Laboratory:**  

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**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  

---

**Depth Elevation (BGL) (AMSL)**  

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<td>86.3</td>
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**Remarks:**  

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
Water Well Positioned by PFRA in 10TM NAD 27  

---

**Database:** Project: 1.000H  
**Well Field Verified:** No

---

**Printed on 2/20/98**
**Well Number:** 07245  
**Well Owner:** Thurner, Fred  
**Drilling Contractor:** Rodco Drilling  

**Location:**  
- Elevation (AMSL) (m): 754  
- AEP: 351056  
- Licence No.: Easting: 58,548.81  
- Date Started: 25 Jun 89  
- Northing: 5,932,214.50  
- Date Completed: 28 Jun 89

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 97.5 (m)  
- **NPWL (m):** 23.8  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casings:
- **Type:** Steel  
- **Depth (m):** 67.1  
- **Bottom (m):** 67.1  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 67.1

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 61.0  
- **Bottom (m):** 97.5  
- **Perforated How:** Machine  
- **from (m):** to 85.3  
- **Size:**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):** 76.2  

### Testing:
- **Rate (lpm):** 27.4  
- **Time (minute):** 360.0  
- **Level End (m):** 57.9  
- **Drawdown (m):** 34.1  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** Selenium  
- **Nitrate:** Strontium  
- **Nitrite:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **DIC:** Hydroxide  
- **Arsenic:** Total Hardness  
- **Barium:** Manganese  
- **Beryllium:** Phosphate  
- **Cadmium:** Ion Balance  
- **Chromium:** Amm. Nitrogen  
- **Copper:** Total Phosphate  
- **Cadmium:** Total Alkalinity  
- **Lead:** Nitrate&Nitrite N  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

---

**Column Titles:**  
- **Depth (m)**  
- **Elevation (BGL) (m):**  
- **Lithologic Description (m):**  
- **(m):**  
- ** AFP:** Sand  
- **33.2:** 720.5 Clay  
- **61.0:** 692.8 Sand  
- **64.0:** 689.7 Clay Sandy  
- **74.7:** 679.1 Shale Green  
- **75.6:** 678.2 Shale Sandy  
- **86.3:** 667.5 Shale  
- **89.9:** 663.8 Sandstone  
- **96.3:** 657.4 Shale  
- **97.5:** 656.2 Sandstone
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Lithologic Description:
- 0.6 734.6 Sand Fine Grained
- 6.7 728.5 Clay Silty
- 7.0 728.2 Coal
- 20.1 715.0 Clay Silty
- 32.9 702.2 Clay Sandy
- 35.0 700.1 Sand Very Fine Grained
- 42.7 692.5 Coal
- 46.6 688.5 Clay & Coal Sandy
- 47.2 687.9 Sand & Gravel Coarse Grained
- 48.8 686.4 Clay Sandy
- 54.9 680.3 Clay & Sand Interbedded
- 61.0 674.2 Sand & Coal
- 67.1 668.1 Sand & Coal Coarse Grained
- 68.9 666.3 Sand & Coal Coarse Grained
- 71.9 663.2 Clay Silty
- 83.8 651.3 Siltstone & Sandstone Bentonit
- 84.7 650.4 Coal
- 85.3 649.8 Shale Carbonaceous

### Water Well Positioning:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:**
- NPWL (m):
- Verified NPWL (m):

**Abandonment:**
- (No Lithologic Information Available)

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 21.3 m
- **Abandonment:**

#### Casting:
- **Type:** Plastic
  - **Depth (m):** 68.0
  - **Bottom (m):** 68.0

#### OD (mm): 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 68.0

#### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**

#### Screen:
- **Material:** St
- **OD (mm):** 1.5
  - **from (m):** 68.0
  - **to:** 69.5
  - **Size:** 0.01
  - **from (m):**
  - **to:**

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 32.9

#### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 120.0
- **Level End (m):** 22.9
- **Drawdown (m):** 1.5
- **Rec'd Rate (lpm):** 32.9
- **Rec'd intake (m):** 63.9

### Lithologic Description
- **Depth:** (m)
- **Elevation:** (m)
- **Lithologic Description**
  - 18.3 736.3 Clay Sandy Yellow
  - 32.6 722.0 Clay Soft Blue
  - 35.7 718.9 Sand
  - 42.1 712.5 Clay Soft Blue
  - 43.3 711.3 Sand
  - 53.3 701.3 Clay Blue
  - 73.2 681.4 Sand & Coal

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **CON (µg/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Chloride:**
- **Calcium:**
- **Magnesium:**
- **TC:**
- **Manganese:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Bicarbonate:**
- **Barium:**
- **Molybdenum:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**

#### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Amm. Nitrogen:**
- **Aquifer Test:**
- **Total Phosphate:**
- **TOC:**
- **Sulphate:**
- **Bicarbonate:**
- **Chloride:**
- **Calcium:**
- **Magnesium:**
- **OD (mm):**
- **Screen:**
- **Perforated How:**
- **Size:**
- **Screen:**
- **Perforated How:**
- **Size:**
- **Screen:**
- **Perforated How:**
- **Size:**

#### Water Well Positioned by PFRA in 10TM NAD 27
**NE 09-053-01 W5M**

**Well Number:** 07249

**Well Owner:** Boje, Ken

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 755

**AEP:** 359718

**Licence No.:** Easting: 60,649.88

**Date Started:** 30 Aug 91

**Northing:** 5,933,526.50

**Date Completed:** 30 Aug 91

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 71.6 (m)

**NPWL (m):** 21.3

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:** Plastic

**Depth (m):** 65.5

**Bottom (m):** 65.5

**OD (mm):** 152.4

**Thickness (mm):** 0.1

**Seal Type:** Sand Pack

**from (m):** to 71.6

**Liner:**

- **Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

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<th>Size</th>
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**Screen:**

- **Material:** St

**OD (mm):** 1.5

**from (m):** to 67.1

**Size:** 0.01

**from (m):** to

**Open Hole:**

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**Pump:**

- **Model:**

**Intake (m):**

**Testing:**

- **Rate (lpm):** 114.0

**Time (minute):** 420.0

**Level End (m):** 42.7

**Drawdown (m):** 21.3

**Rec'd intake (m):**

**Rec'd Rate (lpm):** 45.6

---

**Laboratory:**

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<td>Strontium</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 09-053-01 W5M**

**Well Number: 07250**

**Well Owner:** Cartwright, Wm  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 750  
**AEP:** 362766  
**Licence No.:**  60,403.41  
**Date Started:** 20 Jun 91  
**Easting:** 5,933,646.00  
**Date Completed:** 24 Jun 91

---

### General

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth (m):** 77.7  
- **NPWL (m):** 24.4  
- **Abandonment:**

### Casing

- **Type:** Plastic  
- **Depth (m):** 73.5  
- **Bottom (m):** 73.5  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:**

### Liner

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to (m):**

### Screen

- **Material:**
- **OD (mm):** 1.2  
- **from (m):** 73.5  
- **to (m):** 75.0  
- **Size:** 0.02  

### Open Hole

- **from (m):**  
- **to (m):**

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):** 63.9  
- **Time (minute):** 420.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 6.1  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

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<th>Unit</th>
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<td>TDS</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
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<td></td>
</tr>
</tbody>
</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

- **Transmissivity:** m²/day  
- **Storativity:**

### Gamma Log

- **Aquifer Test:**  
- **Project:**

### Aquifer Test

- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
## NE 09-053-01 W5M

**Well Number:** 07251  
**Well Owner:** Edie, Don  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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<td>Elevation (AMSL) (m):</td>
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<tr>
<td>AEP:</td>
<td>415522</td>
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<td>Licence No.:</td>
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<td>Date Started:</td>
<td>05 Sep 95</td>
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<tr>
<td>Easting:</td>
<td>5,935,605.00</td>
</tr>
<tr>
<td>Northing:</td>
<td>60,539.50</td>
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<tr>
<td>Date Completed:</td>
<td>05 Sep 95</td>
</tr>
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</table>

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 68.6 (m)  
- **NPWL (m):** 24.7  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 61.3  
- **Bottom (m):** 61.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:**  
- **from (m):** to  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 61.3  
- **to 62.8**  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** SSp4c021l-02  
- **Intake (m):** 54.3  

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):** 48.8  
- **Drawdown (m):** 24.1  
- **Rec'd intake (m):** 54.3  
- **Rec'd Rate (lpm):** 31.9  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS (µS/cm):**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ammonia N:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

### Electric Log:  
**Transmissivity:** m³/day  
**Gamma Log:**  
**Storativity:**  
**Aquifer Test:**  
**Project:**  
**Database:** 1.000H  

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27  
- Database: 1.000H

**printed on 2/20/98**
**Well Number:** 07252

**Well Owner:** Hafso, D

**Drilling Contractor:** Cobob Pumps And Services Ltd.

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<thead>
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<th>General:</th>
<th>Depth Elevation</th>
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<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>(m)</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td>(m)</td>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth: <strong>100.6</strong></td>
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<td>NPWL (m): <strong>34.8</strong></td>
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<td>OD (mm): <strong>139.7</strong></td>
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<td>Thickness (mm): <strong>0.1</strong></td>
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<td>80.2</td>
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<tr>
<td>to <strong>92.5</strong></td>
<td>82.3</td>
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<td>Liner: Type:</td>
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<td>to <strong>92.5</strong></td>
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<td>Rec’d intake (m): <strong>71.6</strong></td>
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**Laboratory:**

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<td>TDS</td>
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<td>Chromium</td>
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<tr>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>Total Phosphate</td>
<td></td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
<td></td>
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<td>DIC</td>
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<tr>
<td>Hydroxide</td>
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<td>Electric Log: <strong>No</strong></td>
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<tr>
<td>Gamma Log: <strong>No</strong></td>
<td>Storativity:</td>
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<td>Aquifer Test: <strong>No</strong></td>
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<tr>
<td>AEP Data: <strong>Yes</strong></td>
<td>Well Field Verified: <strong>No</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
NE 09-053-01 W5M

Well Owner: **Jordan, Bob**
Drilling Contractor: **Cobob Pumps And Services Ltd.**

Well Number: **07253**
Elevation (AMSL) (m): **755**
AEP: **353477**
Licence No.: **61,064.19**
Date Started: **24 Sep 90**
Easting: **Northing: 5,933,597.50**
Date Completed: **15 Oct 90**

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<th>Elevation</th>
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<td><strong>BGL</strong> (m)</td>
<td><strong>AMSL</strong> (m)</td>
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<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth: <strong>67.1</strong> (m)</td>
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<tr>
<td>NPWL (m): <strong>33.5</strong></td>
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<td>Verified NPWL (m):</td>
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<td></td>
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<td>Abandonment:</td>
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<td></td>
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<td>Type: <strong>Plastic</strong></td>
<td>0.3 Topsoil</td>
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<td>19.8 Silt Brown</td>
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<tr>
<td>OD (mm): <strong>152.4</strong> Thickness (mm): <strong>0.1</strong></td>
<td>24.4 Clay Gray</td>
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<td>Seal Type: <strong>Formation Packer</strong></td>
<td>33.5 Silt Gray</td>
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<tr>
<td>from (m): to <strong>33.5</strong></td>
<td>41.8 Sand &amp; Coal Gray</td>
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| Liner: | |
| -------| |
| Type: | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | Size: |
| from (m): to | Size: |
| from (m): to | Size: |
| from (m): to | Size: |

| Screen: | |
| -------| |
| Material: St | |
| OD (mm): 1.5 | Size: 0.01 |
| from (m): 64.6 to 66.1 | Size: |
| from (m): | Size: |

| Open Hole: | |
| ----------| |
| from (m): to | |

| Pump: | |
| ----- | |
| Model: **Gould** | Intake (m): **57.6** |

| Testing: | |
| ------- | |
| Rate (lpm): **136.8** Time (minute): **120.0** |
| Level End (m): **51.8** Drawdown (m): **18.3** |
| Rec'd Rate (lpm): **57.6** Rec'd intake (m): **91.2** |

| Laboratory: | |
| ------------| |
| pH (pH unit) | COD Mercury |
| Cond. (µS/cm) | SAR Nickel |
| TDS | TKN Selenium |
| Sodium | Nitrate Strontium |
| Potassium | Nitrite Molybdenum |
| Calcium | TN Vanadium |
| Magnesium | TC Zinc |
| Carbonate | DIC Hydroxide |
| Bicarbonate | Arsenic Total Hardness |
| Aluminum | Barium Manganese |
| Sulphate | Beryllium Phosphate |
| Chloride | Cadmium Ion Balance |
| Fluoride | Chromium Amm. Nitrogen |
| Iron | Cobalt Total Phosphate |
| TOC | Copper Total Alkalinity |
| Silica | Lead Nitrate&Nitrite N |

| Electric Log: | ||
| Transmissivity: | m³/day |
| Gamma Log: | No | Storativity: |
| Aquifer Test: | No |
| Project: | Database: **1.000H** |
| AEP Data: | Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 09-053-01 W5M**

**Well Number:** 07254

- **Well Owner:** Lehman, Don
- **Drilling Contractor:** McGinn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 24.4 m

**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 67.4
- **Bottom (m):** 67.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1

**Seal Type:**
- from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m)

**Perforated How:**
- from (m): to
- from (m): to
- from (m): to

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** to 68.9

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m): 30.5

**Testing:**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** Drawdown (m): 6.1
- **Rec'd Rate (lpm):** Rec'd intake (m):

---

**Laboratory:**

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<td>Potassium</td>
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<td>Fluoride</td>
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<td>Iron</td>
<td>Cobalt</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

---

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on 2/20/98**
**NE 09-053-01 W5M**

**Well Number:** 07255

**Well Owner:** Mcclain, Robert

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 754

**AEP:** 35961

**Licence No.:**

**Date Started:** 14 Aug 91

**Date Completed:** 15 Aug 91

**Norting:** 5,933,558.00

**Easting:** 60,482.04

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 25.9
- **Verified NPWL:** (m):

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 75.6
- **Bottom (m):** 75.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1

**Seal Type:**
- from (m):
- to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- from (m):
- to
- Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- from (m):
- to
- **Size:**

**Open Hole:**
- from (m):
- to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 34.2
- **Time (minute):** 420.0
- **Level End (m):** 25.9
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

#### Completion Details:
- **Completed Depth:** 106.7 m
- **NPWL (m):** 14.9
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Steel
- **Depth (m):** 76.5
- **Bottom (m):** 76.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 75.0 to 76.5

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 70.1
- **Bottom (m):** 106.7

#### Perforated Details:
- **Perforated How:** Saw
- **from (m):** 82.3 to 100.6
- **Size:**
- **from (m):**
- **to:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:** Size:
- **from (m):**
- **to:** Size:

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Model:**
- **Intake (m):** 82.3

#### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 170.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 182.4

### Laboratory:

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<th>Parameter</th>
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<tbody>
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<td>Cond. (µS/cm)</td>
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<td>Silica</td>
<td></td>
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<tr>
<td>Others</td>
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#### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- Electric Log: No
- Transmissivity: m³/day

### Gamma Log:
- Gamma Log: No
- Storativity:

### Aquifer Test:
- Aquifer Test: No
- Project: Database: 1.000H

### Well Field Verified:
- AEP Data: Yes

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
### NE 09-053-01 W5M

**Well Owner:** Prefontaine, Ida  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

#### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 59.4 m  
- **NPWL (m):** 24.4  
- **Verified NPWL (m):**  
- **Abandonment:**

#### Casing:
- **Type:** Plastic  
- **Depth (m):** 50.3  
- **Bottom (m):** 50.3  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  

#### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** to  
  - **Bottom (m):** to  
- **Perforated How:** from (m): to  
  - **Size:**  
  - **Size:**  
  - **Size:**

#### Screen:
- **Material:** St  
- **OD (mm):** 0.9  
- **From (m):** 50.3  
- **To (m):** 51.8  
- **Size:** 0.02  
- **Thickness (mm):**  
- **Top (m):** from (m):  
  - **Size:**  
  - **Size:**  
  - **Size:**

#### Open Hole:
- From (m): to

#### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 6.1  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**

#### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH:**  
- **COD:**  
- **SAR:**  
- **Nitric:**  
- **TDS:**  
- **Nitrate:**  
- **Sodium:**  
- **Nitrite:**  
- **Magnesium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH:**  
- **COD:**  
- **SAR:**  
- **Nitric:**  
- **TDS:**  
- **Nitrate:**  
- **Sodium:**  
- **Nitrite:**  
- **Magnesium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH:**  
- **COD:**  
- **SAR:**  
- **Nitric:**  
- **TDS:**  
- **Nitrate:**  
- **Sodium:**  
- **Nitrite:**  
- **Magnesium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic

**Completed Depth:** 93.0 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): to

**Liner:**
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silicona
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Ammoniacal Nitrogen
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

**Well Number 07258**
- Well Owner: Stanier, Eric/Linda
- Elevation (AMSL) (m): 751
- Licence No.: 362183
- Date Started:
- Easting: 60,790.50
- Northing: 5,933,323.50
- Date Completed:
**NE 09-053-01 W5M**

**Well Owner:** Webb, Bill  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 754  
**AEP:** 412702  
**Licence No.:** 407542.52  
**Date Started:** 21 Dec 95  
**Date Completed:** 21 Dec 95

**Well Number:** 07259

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 67.1 (m)  
- **NPWL (m):** 9.8  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to

**Liner:**
- **Type:** from (m): to  
- **Thickness (mm):**

**Screen:**
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 61.0 to 62.5  
- **Size:** 0.01  
- **Top (m):**
- **Bottom (m):**

**Open Hole:**
- from (m): to

**Pump:** Sub  
- **Model:** Jacuzzi  
- **Intake (m):** 51.2

**Testing:**
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 36.0  
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Metal:**
- **TOC:**
- **Silica:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<td>(No Lithologic Information Available)</td>
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<td>Drilling Method: Not Applicable</td>
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<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 51.8</td>
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<tr>
<td>NPWL (m):</td>
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<tr>
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<tr>
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</tr>
<tr>
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<td>Bottom (m):</td>
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<tr>
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<tr>
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<tr>
<td>Liner:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<td>Pump:</td>
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<td>Strontium</td>
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<td>Zinc</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<td>Arsenic</td>
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<td>Barium</td>
<td>Manganese</td>
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<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Cobalt</td>
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<td>TOC</td>
<td>Copper</td>
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<tr>
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<td>Lead</td>
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<td>Remarks:</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 09-053-01 W5M**

Well Owner: **Bryant, Reg**
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**Elevation (AMSL) (m): 757**
AEP: **365599**
Licence No.: **Mcginn, Gerald Drilling Ltd.**
Date Started: **27 Jul 92**
Easting: **59,718.64**
Date Completed: **28 Jul 92**
Northing: **5,933,226.50**

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 106.4 (m)
- **NPWL (m):** 40.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 76.5
- **Bottom (m):** 76.5
- **OD (mm):** 152.4
- **Thickmess (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 76.5

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 73.5
- **Bottom (m):** 105.5
- **Perforated How:** Saw
- **from (m):** 73.5 to 105.5
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 70.7
- **Drawdown (m):** 30.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

---

### Laboratory:

**pH (pH unit):** COD

**Cond. (µS/cm):** SAR

**TDS:** TKN

**Sodium:** Nitrate

**Potassium:** Nitrite

**Calcium:** TN

**Magnesium:** TC

**Carbonate:** DIC

**Bicarbonate:** Arsenic

**Aluminium:** Barium

**Sulphate:** Beryllium

**Chloride:** Cadmium

**Fluoride:** Chromium

**Iron:** Cobalt

**TOC:** Copper

**Silica:** Lead

**Electric Log:** No

**Transmissivity:**  m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: **1.000H**

**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
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<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
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<td>Well Use:</td>
<td>Domestic</td>
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<td>Completed Depth (m):</td>
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<tr>
<td>NPWL (m):</td>
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<td>Abandonment:</td>
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<td>Casing:</td>
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<tr>
<td>Bottom (m):</td>
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<td>OD (mm):</td>
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<tr>
<td>Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
<td>Bentonite Chips/Tabl</td>
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<tr>
<td>from (m):</td>
<td>to 63.4</td>
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<td>Type:</td>
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<td>OD (mm):</td>
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<td>Thickness (mm):</td>
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<td>Bottom (m):</td>
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<td>Perforated How:</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
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<td>from (m):</td>
<td>to Size:</td>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m):</td>
<td>to 74.1</td>
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<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Pump:</td>
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<td>Model:</td>
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<td>Intake (m):</td>
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<tr>
<td>Rec'd intake (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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</table>

**Laboratory:**

| pH (pH unit) | | COD |
| Cond. (µS/cm) | | Mercury |
| TDS | | Nickel |
| Sodium | | Strontium |
| Potassium | | Molybdenum |
| Calcium | | Vanadium |
| Magnesium | | Zinc |
| Carbonate | | Hydroxide |
| Bicarbonate | | Total Hardness |
| Aluminium | | Manganese |
| Sulphate | | Phosphate |
| Chloride | | Ion Balance |
| Fluoride | | Amm. Nitrogen |
| Iron | | Total Phosphate |
| TOC | | Total Alkalinity |
| Silica | | Lead |
| | | Nitrate&Nitrite |
| | | Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07262  
**Well Owner:** Dewey, Earl  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description (m) (m) (m)**

<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<td>22.3</td>
<td>725.5</td>
<td>Clay Sandy Yellow</td>
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<tr>
<td>53.0</td>
<td>694.7</td>
<td>Clay Blue</td>
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<tr>
<td>59.7</td>
<td>688.0</td>
<td>Sand Yellow</td>
</tr>
<tr>
<td>63.4</td>
<td>684.4</td>
<td>Clay Blue</td>
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<tr>
<td>75.3</td>
<td>672.5</td>
<td>Sand</td>
</tr>
<tr>
<td>76.2</td>
<td>671.6</td>
<td>Clay Blue</td>
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</table>

**Electric Log:** No  
**Gamma Log:** No  
**Aquifer Test:** No  
**Transmissivity:** m²/day  
**Storativity:**  

**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number:** 07263  
**Well Owner:** Goetzinger, Fred  
**Drilling Contractor:** Elliott Drig

**General:**  
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 94.5 m  
NPWL: 21.0 m  
Abandonment:  

**Casing:**  
Type: Steel  
Depth (m): 67.1  
Bottom (m): 67.1  
OD (mm): 108.0  
Thickness (mm):  
Seal Type:  
from (m):  
to  

**Liner:**  
Type:  
OD (mm):  
Top (m):  
Bottom (m):  
Perforated How:  
from (m):  
to  
Size:  
from (m):  
to  
Size:  
from (m):  
to  
Size:  

**Screen:**  
Material:  
OD (mm):  
from (m):  
to  
Size:  
from (m):  
to  
Size:  
from (m):  
to  
Size:  

**Open Hole:**  
from (m):  
to  

**Pump:**  
Model:  
Intake (m):  

**Testing:**  
Rate (lpm): 18.2  
Time (minute): 600.0  
Level End (m): 21.0  
Rec'd intake (m): 57.9  
Rec'd Rate (lpm):  

**Laboratory:**  
pH (pH unit):  
COD: Mercury  
Cond. (µS/cm):  
SAR: Nickel  
TDS: TKN  
Selenium  
Sodium: Nitrate  
Strontium  
Potassium: Nitrite  
Molybdenum  
Calcium: TN  
Vanadium  
Magnesium: TC  
Zinc  
Carbonate: DIC  
Hydroxide  
Bicarbonate: Arsenic  
Total Hardness  
Aluminum: Barium  
Manganese  
Sulphate: Beryllium  
Phosphate  
Chloride: Cadmium  
Ion Balance  
Fluoride: Chromium  
Amm. Nitrogen  
Iron: Cobalt  
Total Phosphate  
TOC: Copper  
Total Alkalinity  
Silica: Lead  
Nitrate&Nitrite N  

**Electric Log:** No  
Transmissivity: m³/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** NW 09-053-01 W5M  
**Elevation (AMSL) (m):** 757  
**AEP:** 394534  
**Licence No.:** Easting: 59,705.03  
**Date Started:** Northing: 5,933,175.00  
**Date Completed:** 15 Jul 75  

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<th>(m)</th>
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<td>749.0</td>
<td>Clay Brown</td>
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<td>12.2</td>
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<td>94.5</td>
<td>662.1</td>
<td>Shale</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 36.6  Verified NPWL (m): 59,767.03
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 50.9  **Bottom (m):** 50.9
- **OD (mm):** 152.4  **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 44.8  **to:** 46.3

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
- **Perforated How:**
  - from (m): to
  - from (m): to
  - from (m): to

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 50.9  **to:** 52.4  **Size:** 0.01
- **from (m):** to
- **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 52.4

**Testing:**
- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):** 52.4  **Drawdown (m):** 15.9
- **Rec'd intake (m):** 45.7  **Rec'd Rate (lpm):** 18.2

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation**
- (BGL) (AMSL)
- **Lithologic Description**
  - 5.5  750.3  Clay Sandy Brown
  - 25.0  730.8  Sand Brown
  - 33.2  722.5  Clay Blue
  - 44.8  710.9  Lost Circulation
  - 54.9  700.9  Sand Lost Circulation Gray

**Electric Log:** No  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No
**Well Number: 07265**

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

#### Completed Depth:
- **NPWL (m):** 27.4
- **Verified NPWL (m):**

#### Abandonment:

### Casings:
- **Type:** Plastic
- **Depth (m):** 68.6
- **Bottom (m):** 68.6
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1

#### Seal Type:
- Bentonite Chips/Tabl

#### from (m):** 45.7 **to:** 61.0

### Liner:
- **Type:** Plastic
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

#### Perforated How:
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 67.1 **to:** 68.6
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Berkley
- **Intake (m):** 48.8

#### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 21.3
- **Rec'd intake (m):** 48.8
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Bicarbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

#### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**

### Project:
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**NW 09-053-01 W5M**

**Well Owner:** Nowicki, Wayne  
**Drilling Contractor:** Reklow Water Well Drilling

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 73.2 (m)  
- **NPWL (m):** 28.0  
- **Abandonment:**
- **Type:** Galvanized Steel  
- **Depth (m):** 65.8  
- **Bottom (m):** 65.8  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Packer  
- **from (m):** to 65.5

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 65.8  
- **Bottom (m):** 65.8  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Packer  
- **from (m):** to 65.5

**Liner:**
- **Type:** Sub  
- **Model:** Intake (m): 48.2

**Screen:**
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 65.8  
- **to:** 67.4  
- **Size:** 0.01

**Open Hole:**
- **from (m):** to

**Pump:** Sub  
- **Model:** Intake (m): 48.2

**Testing:**
- **Rate (lpm):** 91.2  
- **Time (minute):** 300.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 8.5  
- **Rec'd intake (m):** 48.2  
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **SAR:**  
- **TDS:**  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
NW 09-053-01 W5M

Well Owner: Parser, Dale
Drilling Contractor: Cobob Pumps And Services Ltd.

Well Number: 07267
Elevation (AMSL) (m): 754
AEP: 396990
Licence No.: Easting: 59,727.71
Date Started: 23 Mar 94
Northing: 5,933,127.00
Date Completed: 31 Mar 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth (m): 121.9
NPWL (m): 30.5
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 83.8
Bottom (m): 83.8
OD (mm): 152.4
Thickmess (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): 80.8 to 82.3

Liner:
Type:
OD (mm): 101.6
Thickmess (mm): 0.1
Top (m): 82.3
Bottom (m): 121.9
Perforated How: Saw
from (m): 97.5 to 118.9
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Gould
Intake (m): 73.2

Testing:
Rate (lpm): 9.1
Time (minute): 120.0
Level End (m): 73.2
Drawdown (m): 42.7
Rec’d intacke (m): 91.4
Rec’d Rate (lpm): 9.1

Laboratory:

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<tr>
<td>Total Alkalinity</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Transmissivity: m²/day
Storativity:
Aquifer Test:
Project:
Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Printed on 2/20/98
## NW 09-053-01 W5M

Well Owner: **Purich, Ken**  
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 64.0 (m)  
- **NPWL (m):** 7.6  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 58.8  
- **Bottom (m):** 58.8  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  
- **Type:** St  
- **OD (mm):** 0.9  
- **from (m):** 58.8  
- **to:** 60.0  
- **Size:** 0.01  
- **Perforated How:** from (m): to Size:  
- **Screen:** from (m): to  
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 58.8  
- **to:** 60.0  
- **Size:** 0.01  
- **Open Hole:** from (m): to  
- **Pump:** Model:  
- **Intake (m):**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 12.2  
- **Drawdown (m):** 4.6  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

### Laboratory:

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<td>Cond. (µS/cm)</td>
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<td>Silica</td>
<td>Lead</td>
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### Lithologic Description:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 64.0 (m)  
- **NPWL (m):** 7.6  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 58.8  
- **Bottom (m):** 58.8  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  
- **Type:** St  
- **OD (mm):** 0.9  
- **from (m):** 58.8  
- **to:** 60.0  
- **Size:** 0.01  
- **Perforated How:** from (m): to Size:  
- **Screen:** from (m): to  
- **Material:** St  
- **OD (mm):** 0.9  
- **from (m):** 58.8  
- **to:** 60.0  
- **Size:** 0.01  
- **Open Hole:** from (m): to  
- **Pump:** Model:  
- **Intake (m):**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 12.2  
- **Drawdown (m):** 4.6  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** m³/day  
- **Aquifer Test:** m³/day  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  

### Well Usage:
- **Water Well Positioned by PFRA in 10TM NAD 27**
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 114.3 m
- **NPWL (m):** 54.9
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 69.2
  - **Bottom (m):** 69.2
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1

### Casing:

- **Type:** Welded Ring
- **from (m):** 102.1
- **to:** 114.3

### Liner:

- **Type:** Welded Ring
- **from (m):** 59.4
- **to:** 114.3

### Screen:

- **Material:**
  - **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Jacuzzi
- **Intake (m):** 91.4

### Testing:

- **Rate (lpm):** 18.2
- **Time (minute):** 2880.0
- **Level End (m):** 79.2
- **Drawdown (m):** 24.4
- **Rec'd intake (m):** 91.4

### Laboratory:

- **pH (pH unit):**
  - **SAR:** COD
  - **TKN:** Mercury
  - **TDS:** Nickel
  - **Sodium:** Selenium
  - **Potassium:** Strontium
  - **Calcium:** Molybdenum
  - **Magnesium:** Vanadium
  - **Carbonate:** Zinc
  - **Bicarbonate:** Hydroxide
  - **Aluminum:** Total Hardness
  - **Barium:** Manganese
  - **Sulphate:** Beryllium
  - **Chloride:** Phosphate
  - **Fluoride:** Cadmium
  - **Iron:** Ammon. Nitrogen
  - **TOC:** Cobalt
  - **Silica:** Copper
  - **DIC:** Total Phosphate
  - **TC:** Total Alkalinity
  - **Bicarbonate:** Lead
  - **Barium:** Nitrate & Nitrite

### Electric Log:

- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 (m)
- **NPWL (m):** 32.0
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 79.2
- **Bottom (m):** 79.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** to 80.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 79.2
- **Bottom (m):** 103.6
- **Perforated How:** Other
- **from (m):** 82.3 to 100.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 61.0
- **Drawdown (m):** 29.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Electric Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 09-053-01 W5M**

*Well Owner: Anton, Eric*

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

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<td>Date Completed:</td>
<td>24 Jul 92</td>
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**Well Number: 07271**

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 56.4 m
- NPWL (m): 6.1
- Abandonment:
  - Type: Plastic
  - Depth (m): 52.7
  - Bottom (m): 52.7
  - OD (mm): 141.2
  - Thickness (mm): 0.1
- Seal Type: Sand Pack

**Casing:**
- Type: Plastic
- Depth (m): 52.7
- Bottom (m): 52.7
- OD (mm): 141.2
- Thickness (mm): 0.1

**Liner:**
- Type: Plastic
- OD (mm): 141.2
- Thickness (mm):
  - from (mm): to
  - from (mm): to
  - from (mm): to

**Screen:**
- Material: St
- OD (mm): 141.2
- Thickness (mm):
  - from (mm): to
  - from (mm): to
  - from (mm): to

**Open Hole:**
- from (mm): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): 91.2
- Time (minute): 420.0
- Level End (m): 10.7
- Drawdown (m): 4.6
- Rec'd intake (m):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Flouride
- Iron
- TOC
- Silica
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- AEP Data: Yes

**Chemical Constituents are in mg/l (ppm). Except as noted.**

- COD
- Mercury
- SAR
- Nickel
- TKN
- Selenium
- Nitrate
- Strontium
- Nitrite
- Molybdenum
- TN
- Vanadium
- TC
- Zinc
- DIC
- Hydroxide
- Arsenic
- Total Hardness
- Barium
- Manganese
- Beryllium
- Phosphate
- Cadmium
- Ion Balance
- Chromium
- Amm. Nitrogen
- Cobalt
- Total Phosphate
- Copper
- Total Alkalinity
- Lead
- Nitrate
- & Nitrite N
- Project: Database: 1.000H

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:
- **Type of Work:** Chemistry
- **Well Use:** Domestic
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite

### Electric Log: No  Transmissivity: m³/day
### Gamma Log: No  Storativity:
### Aquifer Test: No  Project: Database: 1.000H
### AEP Data: Yes  Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 09-053-01 W5M**

**Well Owner:** Buller, Stan  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 743  
**AEP:** 356902  
**Date Started:**  
**Date Completed:**

**Licence No.:** Easting: 60,855.09  
**Northing:** 5,932,487.00

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**General:**

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<th>NPWL (m)</th>
<th>Verifed NPWL (m):</th>
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</thead>
<tbody>
<tr>
<td>41.8</td>
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**Well Use:** Domestic  
**Type of Work:** Chemistry  
**Drilling Method:** Not Applicable  
**Well Use:** Domestic

**Abandonment:**

**Casing:**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Thickness (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottom</td>
<td></td>
</tr>
</tbody>
</table>

**Drilling Contractor:** Northing:  
**Type:**  
**OD (mm):**  
**Seal Type (m):**  
**from:**  
**to:**

**Liner:**

<table>
<thead>
<tr>
<th>Thickness (mm):</th>
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<tbody>
<tr>
<td>from: to</td>
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**Perforated How:**

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
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<tbody>
<tr>
<td>Size:</td>
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**Screen:**

<table>
<thead>
<tr>
<th>Material:</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m):</td>
</tr>
<tr>
<td>Size:</td>
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**Open Hole:**

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
</thead>
</table>

**Pump:**

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
</tr>
</thead>
</table>

**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Level End (m):</th>
<th>Drawdown (m):</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Rec'd intake (m):</th>
<th>Rec'd Rate (lpm):</th>
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</thead>
<tbody>
<tr>
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<td></td>
</tr>
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</table>

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Database:**  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No

**AEP Data:**  
**Well Field Verified:** No

**Transmissivity:** m³/day  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H

**Electric Log:**  
**Gamma Log:**

**Aquifer Test:** No

**Database:** 1.000H

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 97.2 (m)
- **NPWL (m):** 36.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 73.2
- **Bottom (m):** 73.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 73.2

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 71.9
- **Bottom (m):** 96.3
- **Perforated How:** Saw
- **from (m):** 71.9 to 96.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 18.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Hydroxide:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>12.2</td>
<td>731.2</td>
<td>Clay Silty Yellow</td>
</tr>
<tr>
<td>27.4</td>
<td>715.9</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>37.5</td>
<td>705.9</td>
<td>Sand</td>
</tr>
<tr>
<td>62.5</td>
<td>680.9</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>65.5</td>
<td>677.8</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>76.2</td>
<td>667.2</td>
<td>Shale Green</td>
</tr>
<tr>
<td>81.7</td>
<td>661.7</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>83.8</td>
<td>659.6</td>
<td>Shale Brittle Gray</td>
</tr>
<tr>
<td>85.3</td>
<td>658.0</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>88.4</td>
<td>655.0</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>95.1</td>
<td>648.3</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>97.2</td>
<td>646.1</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07275

**SE 09-053-01 W5M**

**Well Owner:** Fraser, Bill

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>Elevation (AMSL) (m): 743</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>AEP: 396815</td>
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</tr>
<tr>
<td>Well Use: Domestic</td>
<td>Licence No.:</td>
<td></td>
</tr>
<tr>
<td>Completed Depth 91.4 (m)</td>
<td>Easting: 60,855.09</td>
<td></td>
</tr>
<tr>
<td>NPWL (m): 23.8</td>
<td>Northing: 5,932,487.00</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td>Date Started: 08 Apr 94</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Date Completed: 11 Apr 94</td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**

- Type: Plastic
- Depth (m): 70.4 Bottom (m): 70.4
- OD (mm): 152.4 Thickness (mm): 0.1
- Seal Type: Formation Seal
- from (m): to 70.4

**Liner:**

- Type: Plastic
- OD (mm): 127.0 Thickness (mm): 0.1
- Top (m): 67.4 Bottom (m): 90.5

**Perforated How:** Saw

- from (m): 70.4 to 90.5 Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**

- Material: Plastic
- OD (mm): from (m): to Size:
- from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- Model: Intake (m): 30.5

**Testing:**

- Rate (lpm): 31.9 Time (minute): 120.0
- Level End (m): 36.6 Drawdown (m): 12.8
- Rec’d intake (m): 30.5 Rec’d Rate (lpm): 31.9

**Laboratory:**

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 56.7
- **Bottom (m):** 56.7
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** to 57.9
- **Size:** 0.10
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):** 27.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**

## Chemical Constituents are in mg/l (ppm). Except as noted.

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
SE 09-053-01 W5M
Well Number 07277

Well Owner: Grant, Bill
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 743
AEP: 370016
Licence No.: Easting: 60,855.09
Date Started: 21 Jul 93 Northing: 5,932,487.00
Date Completed: 22 Jul 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 58.5 (m)
NPWL (m): 9.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 33.8 Bottom (m): 33.8
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 58.5

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): 33.8 to 35.4 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 33.5

Testing:
Rate (lpm): 45.6 Time (minute): 480.0
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm): 45.6

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 09-053-01 W5M**

**Well Owner:** Grono, Dick  
**Drilling Contractor:** Summers, David Drilling

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>9.1</td>
<td>734.2</td>
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<tr>
<td>Well Use: Domestic</td>
<td>39.6</td>
<td>703.8</td>
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<tr>
<td>Completed Depth 50.3 (m)</td>
<td>50.3</td>
<td>693.1</td>
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<tr>
<td>NPWL (m): 12.2</td>
<td>Verified NPWL (m):</td>
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**Abandonment:**

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Liner:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type: Plastic</td>
<td>Type:</td>
</tr>
<tr>
<td>Depth (m): 50.3</td>
<td>Thickness (mm):</td>
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<tr>
<td>Bottom (m): 50.3</td>
<td>Size: 0.01</td>
</tr>
<tr>
<td>OD (mm): 127.0</td>
<td>Size: 9.1</td>
</tr>
<tr>
<td>Thickness (mm): 0.1</td>
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</table>

**Seal Type:** Bentonite Chips/Tabl

<table>
<thead>
<tr>
<th>Screen:</th>
<th>Open Hole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material: St</td>
<td>from (m):</td>
</tr>
<tr>
<td>OD (mm): 1.2</td>
<td>to</td>
</tr>
<tr>
<td>from (m): 48.8</td>
<td>50.3</td>
</tr>
<tr>
<td>from (m):</td>
<td>Size:</td>
</tr>
<tr>
<td>Top (m):</td>
<td>39.6</td>
</tr>
</tbody>
</table>

**Pump:**

| Model: Jacuzzi | Intake (m): 39.6 |

**Testing:**

| Rate (lpm): 45.6 | Time (minute): 180.0 |
| Level End (m): 39.6 | Drawdown (m): 27.4 |
| Rec’d intake (m): 33.5 | Rec’d Rate (lpm): 45.6 |

**Laboratory:**

| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
**SE 09-053-01 W5M**

**Well Owner:** Kuzio, Shelley/Darcy  
**Drilling Contractor:** Summers, David Drilling

**Well Number:** 07279  
**Elevation (AMSL) (m):** 743  
**AEP:** 377768  
**Licence No.:** Easting: 60,855.09  
**Date Started:** 25 Jun 93  
**Nortthing:** 5,932,487.00  
**Date Completed:** 29 Jun 93

---

### General:

| Type of Work | New Well  
| Drilling Method | Rotary  
| Well Use | Domestic  
| Completed Depth | 56.4 (m)  
| NPWL (m) | 14.0  
| Verified NPWL (m): |  
| Abandonment: |  
| **Casing:** |  
| Type | Plastic  
| Depth (m): | 56.4  
| Bottom (m): | 56.4  
| OD (mm): | 127.0  
| Thickness (mm): | 0.1  
| Seal Type: | Bentonite Chips/Tablet  
| from (m): | 19.8  
| to | 21.3  
| **Liner:** |  
| Type: | Plastic  
| OD (mm): |  
| Thickness (mm): |  
| Top (m): |  
| Bottom (m): |  
| Perforated How: |  
| from (m): | to | Size: |  
| from (m): | to | Size: |  
| from (m): | to | Size: |  
| **Screen:** |  
| Material: | St  
| OD (mm): | 1.5  
| from (m): | 54.9  
| to | 56.4  
| Size: | 0.01  
| from (m): | to | Size: |  
| from (m): | to | Size: |  
| **Open Hole:** |  
| from (m): | to |  
| **Pump:** | Sub  
| Model: | 17 St  
| Intake (m): | 48.8  
| **Testing:** |  
| Rate (lpm): | 250.9  
| Time (minute): | 120.0  
| Level End (m): | 48.8  
| Drawdown (m): | 34.8  
| Rec'd intake (m): | 33.5  
| Rec'd Rate (lpm): | 45.6  

---

### Laboratory:

| pH (pH unit) | COD  
| Cond. (µS/cm) | SAR  
| TDS | TKN  
| Sodium | Nitrate  
| Potassium | Nitrite  
| Calcium | TN  
| Magnesium | TC  
| Carbonate | DIC  
| Bicarbonate | Arsenic  
| Aluminum | Barium  
| Sulphate | Beryllium  
| Chloride | Cadmium  
| Fluoride | Chromium  
| Iron | Cobalt  
| TOC | Copper  
| Silica | Lead  
| Chemical Constituents are in mg/l (ppm). Except as noted.  

### Electric Log:

- Transmissivity: m²/day  
- Gamma Log: Storativity:  
- Aquifer Test:  
- AEP Data: Well Field Verified: No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**SE 09-053-01 W5M**

**Well Owner:** Matiejewski, Louie  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>Elevation (AMSL) (m): 743</td>
<td>2.4</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>Licence No.:</td>
<td>10.4</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td>Easting:</td>
<td>24.4</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>Date Started:23 Jul 91</td>
<td>53.0</td>
</tr>
<tr>
<td>NPWL (m): 50.3</td>
<td>Date Completed: 25 Jul 91</td>
<td>53.6</td>
</tr>
<tr>
<td>Verified NPWL (m):</td>
<td></td>
<td>54.9</td>
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<tr>
<td>Abandonment:</td>
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<td>56.4</td>
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<tr>
<td>Casing:</td>
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<td>75.6</td>
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<tr>
<td>Type: Plastic</td>
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<td>77.7</td>
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<tr>
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<tr>
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<td>to</td>
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<td>Size: from (m): to</td>
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<td>Open Hole:</td>
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<tr>
<td>to</td>
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<td>Rec'd Rate (lpm):</td>
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<tr>
<td>TDS</td>
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<td>Magnesium</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 09-053-01 W5M**

Well Owner: Park, Ian

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 743

AEP: 378266

Licence No.: 07281

Date Started: 07 Jul 95

Date Completed: 12 Jul 95

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<th>Northing</th>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**NPWL (m):** 22.9

**Completed Depth:** 129.2 (m)

**Abandonment:**

**Type:** Plastic

**Depth (m):** 61.3

**Bottom (m):** 61.3

**OD (mm):** 152.4

**Thickness (mm):** 0.1

**Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**

**Perforated How:** from (m): to

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 61.3 to 62.8
- **Size:** 0.01
- **from (m):** to

**Open Hole:** from (m): to

**Pump:**
- **Model:** SSpIC02tl S/R
- **Intake (m):** 29.9

**Testing:**
- **Rate (lpm):** 63.9
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 1.5

**Rec'd intake (m):** 29.9

**Rec'd Rate (lpm):** 63.9

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<td>56.4</td>
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<td>679.4</td>
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<td>71.9</td>
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<td>75.3</td>
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<td>78.6</td>
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<td>129.2</td>
<td>614.1</td>
<td>Shale Green</td>
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**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

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### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
  - **Intake (m):**

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
- **Level End (m):**
  - **Drawdown (m):**
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:

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<tbody>
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<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<tr>
<td>Chloride</td>
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<tr>
<td>Fluoride</td>
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<td>Iron</td>
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<td>Yes Well Field Verified: No</td>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.3 m
- **NPWL:** 11.0 m
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth:** 32.0 m
- **Bottom:** 32.0 m
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:** Ga
- **OD (mm):** 1.4
- **from (m):** 32.0
- **to:** 35.0
- **Size:**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 68.4
  - **Time (minute):** 240.0
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):** 30.5
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nitrates:**
- **TN:**
- **TC:**
- **DIC:**
- **Bicarbonate:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Barium:**
- ** Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Molybdenum:**
- **Nickel:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Chromium:**
- **Cadmium:**
- **Copper:**
- **Cadmium:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Lithologic Description:
- 20.7 722.6 Clay Sandy
- 25.9 717.5 Till Sandy
- 28.4 715.0 Till
- 36.3 707.1 Sand & Coal

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
**SE 09-053-01 W5M**

**Well Owner:** Sosnick, Steve  
Drilling Contractor: Westar Water Well Drilling Ltd.

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 78.6 (m)  
- **NPWL (m):** 18.3  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 59.7  
- **Bottom (m):** 59.7  
- **OD (mm):** 127.0  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  
- **Liner:**

**Screen:**
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 59.7  
- **to:** 61.0  
- **Size:** 0.01  
- **from (m):** to  
- **Open Hole:** from (m): to  

**Pump:** Sub  
- **Model:** Jacuzzi  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 54.9  
- **Drawdown (m):** 36.6  
- **Rec’d intake (m):** 55.2  
- **Rec’d Rate (lpm):** 22.8

---

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Lead:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**
- **Lithologic Description**
  - 25.9 717.5 Clay  
  - 61.0 682.4 Sand & Coal  
  - 62.5 680.9 Clay  
  - 78.6 664.7 Sand See Comments

---

**Electric Log: No**  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**

**Aquifer Test: No**  
**Project:** 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

---

**Well Number:** 07284  
**Elevation (AMSL) (m):** 743  
**AEP:** 354515  
**Licence No.:**  
**Date Started:** 21 Jul 89  
**Easting:** 60,855.09  
**Date Completed:** 21 Jul 89  
**Northing:** 5,932,487.00

---

*printed on 2/20/98*
SE 09-053-01 W5M

Well Number: 07285

Well Owner: Tilroe, Paul/Relax Inn
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 743
AEP: 351737
Date Started: 20 Jun 90
Date Completed: 20 Jun 90

Well Number: SE 09-053-01 W5M

Well Use: Domestic
Completed Depth: 44.2 (m)
NPWL (m): 12.2 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 38.7 Bottom (m): 38.7
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: from (m): to

Liner:
Type: St
OD (mm): 1.2 Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2 from (m): to 40.2 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 31.9 Time (minute): 420.0
Level End (m): 18.3 Drawdown (m): 6.1
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

print 2/20/98
**SE 09-053-01 W5M**

**Well Number:** **07286**

**Well Owner:** Watling, Glen R

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 743

**AEP:** 358320

**Date Started:**

**Easting:** 60,855.09

**Northing:** 5,932,487.00

**Date Completed:**

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### General

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<th>Chemistry</th>
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<td>Well Use:</td>
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**Completed Depth (m):** 29.0

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

### Casing

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<td>OD (mm):</td>
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<td>Seal Type:</td>
</tr>
<tr>
<td>from (m):</td>
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</tbody>
</table>

### Liner

<table>
<thead>
<tr>
<th>OD (mm):</th>
<th>Thickness (mm):</th>
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</thead>
<tbody>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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</table>

**Perforated How:**

| from (m): | to |
| from (m): | to |
| from (m): | to |

### Screen

<table>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m):</td>
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### Open Hole

<table>
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<tr>
<th>from (m):</th>
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### Pump

<table>
<thead>
<tr>
<th>Model:</th>
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</thead>
<tbody>
<tr>
<td>Intake (m):</td>
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</tbody>
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### Testing

<table>
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<tr>
<th>Rate (lpm):</th>
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<tr>
<td>Time (minute):</td>
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<tr>
<td>Level End (m):</td>
</tr>
<tr>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec’d intake (m):</td>
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<tr>
<td>Rec’d Rate (lpm):</td>
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### Laboratory

<table>
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<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS:</td>
<td>TKN</td>
</tr>
<tr>
<td>Sodium:</td>
<td>Nitrate</td>
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<tr>
<td>Potassium:</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium:</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium:</td>
<td>TC</td>
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<tr>
<td>Carbonate:</td>
<td>DIC</td>
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<td>Bicarbonate:</td>
<td>Arsenic</td>
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<td>Barium</td>
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<td>Sulphate:</td>
<td>Beryllium</td>
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<td>Cadmium</td>
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<td>Fluoride:</td>
<td>Chromium</td>
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<tr>
<td>Iron:</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica:</td>
<td>Lead</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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<tr>
<th>Electric Log:</th>
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<tbody>
<tr>
<td>Transmissivity:</td>
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<tr>
<td>Gamma Log:</td>
<td>No</td>
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<tr>
<td>Storativity:</td>
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<tr>
<td>Aquifer Test:</td>
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<tr>
<td>Project:</td>
<td>Database: 1.000H</td>
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<tr>
<td>AEP Data:</td>
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<tr>
<td>Well Field Verified:</td>
<td>No</td>
</tr>
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</table>

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 109.7 m
  - **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m) to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m) to Size:
  - from (m) to Size:
  - from (m) to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m) to Size:
  - from (m) to Size:

### Open Hole:
- **from (m): to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Sodium:**
- **Nitrite:**
- **Sulphate:**
- **Chromium:**
- **Iron:**
- **Copper:**
- **Lead:**
- **Bicarbonate:**
- **Calcium:**
- **Magnesium:**
- **Nitrite:**
- **Molybdenum:**
- **Phosphate:**
- **Phosphate:**
- **Ion Balance:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Chromium:**
- **Cobalt:**
- **Total Phosphate:**
- **Cadmium:**
- **Total Alkalinity:**
- **Cadmium:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Yes**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 109.7 m
  - **NPWL (m):**
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m) to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m) to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):** from (m) to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** COD
  - **Cond. (µS/cm):** SAR
  - **TDS:** TKN
  - **Sodium:** Nitrate
  - **Potassium:** Nitrite
  - **Calcium:** TN
  - **Magnesium:** TC
  - **Carbonate:** DIC
  - **Bicarbonate:** Arsenic
  - **Aluminum:** Barium
  - **Sulphate:** Beryllium
  - **Chloride:** Cadmium
  - **Fluoride:** Chromium
  - **Iron:** Cobalt
  - **TOC:** Copper
  - **Silica:** Lead

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<thead>
<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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</thead>
<tbody>
<tr>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
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</tr>
<tr>
<td>Sodium</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>Vanadium</td>
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<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminum</td>
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<td>Ion Balance</td>
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<tr>
<td></td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **AEP Data:** Database: 1.000H
- **Well Field Verified:** Yes
**Well Number:** 07289  
**Well Owner:** Alta Env #1919e  
**Drilling Contractor:** Alberta Environment/Earth Sciences Div

### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Unknown  
- **Completed Depth:** 67.1 (m)  
- **NPWL (m):** 33.5  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0  
- **OD (mm):** 141.2  
- **Seal Type:** Formation Packer  
- **from (m):** to

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
  - **from (m):** to **Size:**  
  - **from (m):** to **Size:**  
  - **from (m):** to **Size:**  

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 65.5 **to** 67.1  
- **Size:** 0.01  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**

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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
<td></td>
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### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation:** (AMSL) (m): 729  
**AEP:** 359961  
**Licence No.:** Easting: 60,439.95  
**Date Started:** 29 Jul 79  
**Northing:** 5,932,472.00  
**Date Completed:** 09 Aug 79

**Depth**  
**Elevation**  
**Lithologic Description**

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<th>Depth</th>
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<tr>
<td>28.7</td>
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<tr>
<td>30.5</td>
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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** Yes  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SH 09-053-01 W5M**

**General:**
- **Well Owner:** Alta Env #1920e
- **Drilling Contractor:** Alberta Environment/Earth Sciences Div
- **Elevation (AMSL) (m):** 729
- **AEP:** 359950
- **Licence No.:** Easting: 60,439.95
- **Date Started:** 10 Aug 79
- **Northing:** 5,932,472.00
- **Date Completed:** 11 Aug 79

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<td>698.4</td>
<td>Sand &amp; Coal</td>
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<tr>
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<td>Clay &amp; Sand</td>
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<tr>
<td>74.7</td>
<td>654.2</td>
<td>Sand</td>
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| Type of Work: | Test Hole |
| Drilling Method: | Rotary |
| Well Use: | Unknown |
| Completed Depth | 74.7 (m) |
| NPWL (m): | 33.2 |
| Abandonment: |
| Casing: |
| Type: | Steel |
| Depth (m): | 71.6 | Bottom (m): | 71.6 |
| OD (mm): | 141.2 |
| Seal Type: | Formation Packer |
| from (m): to | 68.9 |
| Liner: |
| OD (mm): |
| Top (m): |
| Perforated How: |
| from (m): to | Size: |
| from (m): to | Size: |
| from (m): to | Size: |
| Screen: |
| Material: | St |
| OD (mm): | 1.2 |
| from (m): to | 74.7 |
| Size: | 0.01 |
| from (m): to | Size: |
| Open Hole: | to |
| Pump: |
| Model: |
| Intake (m): |
| Testing: |
| Rate (lpm): | 182.4 |
| Time (minute): | 120.0 |
| Level End (m): |
| Drawdown (m): |
| Rec'd intake (m): |
| Rec'd Rate (lpm): |

**Laboratory:**
- pH (pH unit) | COD | Mercury |
- Cond. (µS/cm) | SAR | Nickel |
- TDS | TKN | Selenium |
- Sodium | Nitrate | Strontium |
- Potassium | Nitrite | Molybdenum |
- Calcium | TN | Vanadium |
- Magnesium | TC | Zinc |
- Carbonate | DIC | Hydroxide |
- Bicarbonate | Arsenic | Total Hardness |
- Aluminum | Barium | Manganese |
- Sulphate | Beryllium | Phosphate |
- Chloride | Cadmium | Ion Balance |
- Fluoride | Chromium | Amm. Nitrogen |
- Iron | Cobalt | Total Phosphate |
- TOC | Copper | Total Alkalinity |
- Silica | Lead | Nitrate & Nitrite N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 103.6 m
- **NPWL (m):** 39.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 95.4
- **Bottom (m):** 95.4
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):**
- **to:** 95.4

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Perforated From:**
- **Bottom (m):** 103.6
- **Size:**
- **Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **Open Hole:
- **from (m):**
- **Pump:
- **Model:**
- **Intake (m):**
- **Testing:
- **Rate (lpm):** 4.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Con. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Total Hardness:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Hydroxide:**
- **Bicarbonate:**
- **TC:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown

#### Completed Depth

<table>
<thead>
<tr>
<th>NPWL (m)</th>
<th>Verified NPWL (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>36.0</td>
<td></td>
</tr>
</tbody>
</table>

#### Abandonment:

- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 77.1
  - **Bottom (m):** 77.1
- **OD (mm):** 141.2
  - **Thickness (mm):**
    - to 77.1
- **Seal Type:** Driven

#### Liner:

- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):** 83.8
- **Perforated How:** Machine
  - from (m): 77.4
  - to 83.8
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:
  - **Open Hole:**
    - from (m): to

### Pump:

- **Model:**
- **Intake (m):**

#### Testing:

- **Rate (lpm):** 4.6
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:** Lead
  - **Material:**
  - **OD (mm):**

### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:** Yes
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Depth Elevation

<table>
<thead>
<tr>
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<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>719.8</td>
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<tr>
<td>700.3</td>
<td>Silt Gray</td>
</tr>
<tr>
<td>698.4</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>668.0</td>
<td>Clay &amp; Sand</td>
</tr>
<tr>
<td>655.2</td>
<td>Sand</td>
</tr>
<tr>
<td>649.7</td>
<td>Siltstone</td>
</tr>
<tr>
<td>646.0</td>
<td>Sandstone</td>
</tr>
<tr>
<td>645.1</td>
<td>Siltstone</td>
</tr>
</tbody>
</table>

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number: **07293**

**SH 09-053-01 W5M**

**Well Owner:** Labrosse, Ray

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 729  
**AEP:** 396986  
**Licence No.:** Easting: 60,439.95  
**Date Started:** Northing: 5,932,472.00  
**Date Completed:** 20 Jun 94

**Well Number: 07293**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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</thead>
<tbody>
<tr>
<td>Clay Sandy Yellow</td>
<td>15.2</td>
<td>713.7</td>
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<tr>
<td>Sand &amp; Coal</td>
<td>17.7</td>
<td>711.2</td>
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<tr>
<td>Clay Yellow</td>
<td>27.4</td>
<td>701.5</td>
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<tr>
<td>Clay Blue</td>
<td>39.6</td>
<td>689.3</td>
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<td>Sand</td>
<td>43.3</td>
<td>685.6</td>
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<td>Clay Sandy Blue</td>
<td>54.9</td>
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<tr>
<td>Sand &amp; Coal</td>
<td>64.3</td>
<td>664.6</td>
</tr>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Laboratory:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value (mg/l (ppm))</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Aluminium</td>
<td>1</td>
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<td>Sulphate</td>
<td>1</td>
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<td>Chloride</td>
<td>1</td>
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<tr>
<td>Fluoride</td>
<td>1</td>
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<tr>
<td>Iron</td>
<td>1</td>
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<tr>
<td>TOC</td>
<td>1</td>
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<tr>
<td>Silica</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
SW 09-053-01 W5M

Well Owner: Allison, Archie
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 731
Licence No.: 731
Date Started: 60,214.70
Date Completed: 5,932,678.00

Well Number: 07294

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 83.8 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD
SAR
TKN
Nitrate
Nitrite
TN
TC
DIC
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead

Mercury
Nickel
Selenium
Strontium
Molybdenum
Vanadium
Zinc
Hydroxide
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

(printed on) 2/20/98
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 103.6 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
  - COD: Mercury
  - SAR: Nickel
  - TDS: TKN: Selenium
  - Sodium: Nitrate: Strontium
  - Potassium: Nitrite: Molybdenum
  - Calcium: TN: Vanadium
  - Magnesium: TC: Zinc
  - Carbonate: DIC: Hydroxide
  - Bicarbonate: Arsenic: Total Hardness
  - Aluminum: Barium: Manganese
  - Sulphate: Beryllium: Phosphate
  - Chloride: Cadmium: Ion Balance
  - Fluoride: Chromium: Amm. Nitrogen
  - Iron: Cobalt: Total Phosphate
  - TOC: Copper: Total Alkalinity
  - Silica: Lead: Nitrate&Nitride N
  - Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m):
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:
- **Open Hole:** from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Depth Elevation (BGL) (AMSL)
- **(m) (m) Lithologic Description**
  - **(No Lithologic Information Available)**

### Electric Log: No
- Transmissivity: m³/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic & Stock
- Completed Depth: 96.0 (m)
- NPWL (m): 36.6
- Abandonment: 

**Casing:**
- Type: Plastic
- Depth (m): 59.4
- Bottom (m): 59.4
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Formation Seal
- from (m): to 59.4

**Liner:**
- Type: 
- OD (mm): 127.0
- Thickness (mm): 0.1
- Top (m): 56.1
- Bottom (m): 95.1
- Perforated How: Saw
- from (m): 56.1 to 95.1

**Screen:**
- Material: 
- OD (mm): 
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): 16.0
- Time (minute): 420.0
- Level End (m): 61.0
- Drawdown (m): 24.4
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number:** 07298

**Well Owner:** Houston, Chris/Sutherland, B

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.1</td>
<td>717.7</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>25.0</td>
<td>709.8</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>31.0</td>
<td>703.7</td>
<td>Sand</td>
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<tr>
<td>37.8</td>
<td>697.0</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>46.3</td>
<td>688.4</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>57.9</td>
<td>676.8</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>61.6</td>
<td>673.2</td>
<td>Shale Green</td>
</tr>
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<td>63.4</td>
<td>671.4</td>
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<td>96.0</td>
<td>638.7</td>
<td>Sandstone</td>
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**Electric Log:** No
**Transmissivity:** m³/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 11.6
- **Verified NPWL (m):**
- **Abandonment:** Bentonite Product 27 Jul 94
- **Date Started:** 01 Oct 72

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 48.5
- **Bottom (m):** 48.5
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 46.6
- **to:** 48.5
- **Size:** 0.01
- **from (m):** to
- **Thickness (mm):**
- **OD (mm):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub
- **Intake (m):**

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 360.0
- **Level End (m):**
- **Drawdown (m):** 6.1
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Nitrate:**
- **Strontium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Copper:**
- **Zinc:**
- **Sulphate:**
- **Nitrate:**
- **Molybdenum:**
- **Fluoride:**
- **Bicarbonate:**
- **TC:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Ion Balance:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Sulphate:**
- **Phosphate:**
- **Chloride:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**printed on 2/20/98**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 100.6 (m)
  - NPWL (m): 29.0
  - Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 70.1
  - Bottom (m): 70.1
- **OD (mm):** 152.4
  - Thickness (mm): 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 65.5 to 68.6

### Liner:
- **Type:**
  - OD (mm): 114.3
    - Thickness (mm): 0.1
  - Top (m): 67.1
    - Bottom (m): 100.6
- **Perforated How:** Machine
  - from (m): 85.3 to 97.5
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:
- **Material:**
  - OD (mm):
    - from (m): to
    - Size:
    - from (m): to
    - Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
  - Intake (m): 61.0

### Testing:
- **Rate (lpm):** 45.6
  - Time (minute): 120.0
- **Level End (m):** 61.0
  - Drawdown (m): 32.0
- **Rec’d intake (m):** 79.2
  - Rec’d Rate (lpm): 36.5

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data: Yes**
- **Well Field Verified: No**

---

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (BGL)</th>
<th>Elevation (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>10.4</td>
<td>717.0</td>
<td>Clay Brown</td>
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<td>18.9</td>
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<td>39.3</td>
<td>688.1</td>
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<tr>
<td>41.2</td>
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<td>51.2</td>
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<td>63.1</td>
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</tr>
</tbody>
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*Water Well Positioned by PFRA in 10TM NAD 27*
**SW 09-053-01 W5M**

**Well Owner:** Matiejewski, Louie  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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<td>Shale Dark Gray</td>
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**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 97.2 m  
- **NPWL (m):** 15.2  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Galvanized Steel  
- **Depth (m):** 77.4  
- **Bottom (m):** 77.4  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Seal Type:** Formation Seal  
- **from (m):** to 77.4  

**Liner:**  
- **Type:**  
- **OD (mm):** 88.9  
- **Thickness (mm):** 0.1  
- **Top (m):** 96.3  
- **Bottom (m):**  
- **Perforated How:** Torch  
- **from (m):** to 96.3  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  

**Open Hole:**  
- **from (m):** to  

**Pump:**  
- **Model:**  
- **Intake (m):**  

**Testing:**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 45.7  
- **Drawdown (m):** 30.5  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

**Laboratory:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**  
- **Selenium:**  
- **Calcium:**  
- **TC:**  
- **Vanadium:**  
- **Zinc:**  
- **DIC:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Beryllium:**  
- **Phosphorus:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Total Phosphate:**  
- **TOC:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrates, Nitrite & Nitrate:**  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.  

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: **07302**

**Well Owner:** Matrijewski, Ludwig  
**Drilling Contractor:** Western Drig & Const  

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 55.8 (m)  
  - NPWL (m):  
  - Verified NPWL (m):  
- **Abandonment:**  

**Casing:**
- **Type:** Steel  
- **Depth (m):** 50.3  
  - Bottom (m): 50.3  
- **OD (mm):** 103.1  
- **Seal Type:** from (m): to  

**Liner:**
- **OD (mm):** Thickness (mm):  
  - Top (m):  
  - Bottom (m):  
- **Perforated How:** from (m): to  
  - Size:  
  - from (m): to  
  - Size:  
  - from (m): to  
  - Size:  

**Screen:**
- **Material:** St  
- **OD (mm):** 1.2  
  - from (m): 52.4 to 54.0  
  - Size: 0.01  
  - from (m): to  

**Open Hole:** from (m): to  

**Pump:** **Sub**  
- **Model:** Borilayton  
- **Intake (m):** 48.8  

**Testing:**
- **Rate (lpm):** 45.6  
  - Time (minute):  
  - Level End (m):  
  - Drawdown (m):  
  - Rec'd intake (m): 48.8  
  - Rec'd Rate (lpm):  

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
  - SAR:  
  - TDS:  
  - Sodium:  
  - Nitrate:  
  - Strontium:  
  - Potassium:  
  - Nitrite:  
  - Molybdenum:  
  - Calcium:  
  - TN:  
  - Vanadium:  
  - Magnesium:  
  - TC:  
  - Zinc:  
  - Carbonate:  
  - DIC:  
  - Hydroxide:  
  - Bicarbonate:  
  - Arsenic:  
  - Total Hardness:  
  - Aluminum:  
  - Barium:  
  - Manganese:  
  - Sulphate:  
  - Beryllium:  
  - Phosphate:  
  - Chloride:  
  - Cadmium:  
  - Ion Balance:  
  - Fluoride:  
  - Chromium:  
  - Amm. Nitrogen:  
  - Iron:  
  - Cobalt:  
  - Total Phosphate:  
  - TOC:  
  - Copper:  
  - Total Alkalinity:  
  - Silicon:  
  - Lead:  
  - Nitrate&Nitrite N:  

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.  

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**Water Well Positioned by PFRA in 10TM NAD 27**
**SW 09-053-01 W5M**

**Well Owner:** *Morrison, Doug*

**Drilling Contractor:** *Mcginn, Gerald Drilling Ltd.*

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**Well Number:** 07303

**Depth**

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<td>703.2 Clay Blue</td>
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<td>29.0</td>
<td>700.2 Coal Sandy</td>
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<td>32.9</td>
<td>696.2 Coal Blue</td>
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<td>36.6</td>
<td>692.6 Coal Sandy</td>
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<td>48.8</td>
<td>680.4 Coal Sandy</td>
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<td>73.2</td>
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<td>650.5 Clay Gray</td>
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<tr>
<td>79.2</td>
<td>649.9 Clay &amp; Coal Brown</td>
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<td>80.8</td>
<td>648.4 Clay Gray</td>
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<td>86.3</td>
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<td>96.3</td>
<td>632.8 Clay Sandy Gray</td>
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<tr>
<td>97.2</td>
<td>631.9 Clay Green</td>
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</tbody>
</table>

**Screen:**

- **Material:**
  - **OD (mm):** 114.3
  - **Top (m):** 79.6
- **Thickness (mm):** 0.1

**Open Hole:**

- **from (m):** 79.6
- **to:** 96.3

**Pump:**

- **Model:** Intake (m):
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
- **Level End (m):** 54.9
- **Drawdown (m):** 15.2
- **Rec'd intake (m):**

**Laboratory:**

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Magnesium:** TC Zinc
- **Calcium:** DIC Hydroxide
- **Carbonate:** Arsenic Total Hardness
- **Bicarbonate:** Barium Manganese
- **Aluminium:** Beryllium Phosphate
- **Sulphate:** Cadmium Ion Balance
- **Chloride:** Chromium Amm. Nitrogen
- **Fluoride:** Cobalt Total Phosphate
- **Iron:** Copper Total Alkalinity
- **TOC:** Lead Nitrate\&Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Number: 07304

**General:**
- **Type of Work:** New Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 108.7 (m)
- **NPWL (m):** 109.7
- **Verified NPWL (m):**
- **Abandonment:** Cement 10 Feb 88

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m): (m)
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** (m) to (m)

**Liner:**
- **Type:** (m)
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to (m): Size:
  - from (m): to (m): Size:
  - from (m): to (m): Size:

**Screen:**
- **Material:** (m)
  - **OD (mm):** (m) to (m): Size:
  - from (m): to (m): Size:

**Open Hole:**
- from (m): to (m)

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** 9.1
  - **Time (minute):** 60.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**

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<tr>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>19.2</td>
<td>708.0 Clay</td>
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<td>25.9</td>
<td>701.3 Shale</td>
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<td>699.5 Sandstone</td>
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<td>44.8</td>
<td>682.4 Shale</td>
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<td>54.0</td>
<td>673.3 Shale</td>
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<td>59.7</td>
<td>667.5 Sandstone</td>
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<tr>
<td>109.7</td>
<td>617.5 Shale</td>
</tr>
</tbody>
</table>

**Electric Log:** No
Transmissivity: m³/day
**Gamma Log:** No
Storativity:
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
Well Field Verified: No

Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 103.6 m
- NPWL (m): 41.2
- Abandonment:

**Casing:**
- Type: **Steel**
- Depth (m): 84.4
- Bottom (m): 84.4
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: **Driven**
  - from (m): to 84.4

**Liner:**
- Type: **Steel**
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 79.2
- Bottom (m): 103.6
- Perforated How: **Hand Drill**
  - from (m): 91.4 to 103.6
  - Size: 
  - from (m): to 
  - Size: 

**Screen:**
- Material: 
- OD (mm): 
  - from (m): to 
  - from (m): to 

**Open Hole:**
- from (m): to
- Depth (m): 103.6

**Pump:** **Sub**
- Model: 
- Intake (m): 
- Rate (lpm): 13.7
- Time (minute): 120.0
- Level End (m): 103.6
- Drawdown (m): 62.5
- Rec'd intake (m): 94.2
- Rec'd Rate (lpm): 13.7

**Laboratory:**
- pH (pH unit): 
- Cond. (µS/cm): 
- COD: 
- SAR: 
- TDS: 
- TKN: 
- Sodium: 
- Nitrate: 
- Strontium: 
- Potassium: 
- Nitrite: 
- Molybdenum: 
- Calcium: 
- TN: 
- Vanadium: 
- Magnesium: 
- TC: 
- Zinc: 
- Carbonate: 
- DIC: 
- Hydroxide: 
- Bicarbonate: 
- Arsenic: 
- Total Hardness: 
- Aluminum: 
- Barium: 
- Manganese: 
- Sulphate: 
- Beryllium: 
- Phosphate: 
- Chloride: 
- Cadmium: 
- Ion Balance: 
- Fluoride: 
- Chromium: 
- Amm. Nitrogen: 
- Iron: 
- Cobalt: 
- Total Phosphate: 
- TOC: 
- Copper: 
- Total Alkalinity: 
- Silica: 
- Lead: 
- Nitrate&Nitrite N: 
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**NE 10-053-01 W5M**

**Well Owner:** Koch, Ed  
**Drilling Contractor:** Blakeman'S, Norm Drilling Ltd.

**Elevation (AMSL) (m):** 732  
**AEP:** 373924  
**Licence No.:**  
**Date Started:** 25 Aug 93  
**Easting:** 62,480.43  
**Date Completed:** 27 Aug 93  
**Northing:** 5,933,113.05

### General:
- **Type of Work:** New Well-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 97.5 (m)  
- **NPWL (m):** 51.8  
- **Abandonment:** Bentonite Product  
- **27 Aug 93**

### Casing:
- **Type:**  
- **Depth (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):**  
- **to**

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):**  
- **to**  
- **Size:**
- **from (m):**  
- **to**  
- **Size:**
- **from (m):**  
- **to**  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to**  
- **Size:**
- **from (m):**  
- **to**  
- **Size:**

### Open Hole:
- **from (m):**  
- **to**

### Pump:
- **Model:**  
- **Intake (m):** 67.1

### Testing:
- **Rate (lpm):** 4.6  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:

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### Electric Log:
- **No**  
- **Transmissivity:** m³/day

### Aquarium Test:
- **No**  
- **Storativity:** m³/day

### Project:
- **Database:** 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
**NE 10-053-01 W5M**

**Well Owner:** Nelson, Randy  
**Drilling Contractor:** Cobob Pumps And Services Ltd.  
**Elevation (AMSL) (m):** 732  
**AEP:** 378920  
**Licence No.:** Easting: 62,480.43  
**Date Started:** 22 Apr 94  
**Notthing:** 5,933,113.05  
**Date Completed:** 29 Apr 94

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<th>Depth Elevations (BGL) (AMSL)</th>
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<td>Type of Work: New Well</td>
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<td>(m)</td>
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<td>Seal Type: Shale Trap &amp; Bentonite</td>
<td></td>
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<tr>
<td>from (m): 43.8 to 45.1</td>
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<td>Liner:</td>
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<td>Type: Sub</td>
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<tr>
<td>depth (m): 42.7</td>
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<tr>
<td>TO (m): 115.8</td>
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<tr>
<td>Perforated How: Saw</td>
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<tr>
<td>from (m): 94.5 to 112.8</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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</tr>
<tr>
<td>Screen:</td>
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<td>Material:</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Thickness (mm): 0.1</td>
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<td>Type: Plastic</td>
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<tr>
<td>depth (m): 42.7</td>
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<tr>
<td>TO (m): 115.8</td>
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<tr>
<td>Perforated How: Saw</td>
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<tr>
<td>from (m): 94.5 to 112.8</td>
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<td>from (m): to</td>
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<td>Liner: Sub</td>
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<td>depth (m): 42.7</td>
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<tr>
<td>TO (m): 115.8</td>
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<td>Perforated How: Saw</td>
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<tr>
<td>from (m): 94.5 to 112.8</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Open Hole:</td>
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<tr>
<td>from (m): to</td>
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<td>Pump: Gould</td>
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<td>Intake (m): 91.4</td>
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<td>Rec'd Rate (lpm): 18.2</td>
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**Laboratory:**

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<th>Value</th>
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<tr>
<td>pH (pH unit)</td>
<td>COD</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
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<td>Sodium</td>
<td>Nitrate</td>
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<td>Potassium</td>
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<td>Zinc</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Aluminium</td>
<td>Barium</td>
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<td>Sulphate</td>
<td>Manganese</td>
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<td>Chloride</td>
<td>Beryllium</td>
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<td>Iron</td>
<td>Chromium</td>
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<td>TOC</td>
<td>Cobalt</td>
</tr>
<tr>
<td>Silica</td>
<td>Copper</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</tbody>
</table>

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**NE 10-053-01 W5M**

**Well Number:** 07308

Well Owner: **Roder, Walter**

Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

Elevation (AMSL) (m): 732

Licence No.: **357884**

Date Started: 16 Apr 91

Easting: 62,480.43

Date Completed: 17 Apr 91

Nothing: 5,933,113.05

**General:**

Type of Work: **New Well**

Drilling Method: **Rotary**

Well Use: **Domestic**

Completed Depth: 64.0 (m)

NPWL (m): 21.3

Verified NPWL (m):

Abandonment:

Type: **Plastic**

Depth (m): 60.7 Bottom (m): 60.7

OD (mm): 127.0 Thickness (mm): 0.1

Seal Type:

from (m): to

Liner:

Type:

from (m): to

Top (m): Bottom (m):

Perforated How:

from (m): to Size:

from (m): to Size:

from (m): to Size:

Screen:

Material: St

OD (mm): 0.9

from (m): 60.7 to 62.2 Size: 0.02

from (m): to Size:

Open Hole:

from (m): to

Pump:

Model:

Intake (m):

Testing:

Rate (lpm): 63.9 Time (minute): 420.0

Level End (m): 27.4 Drawdown (m): 6.1

Rec'd intake (m): Rec'd Rate (lpm):

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Description</th>
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<tbody>
<tr>
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<td>711.0</td>
<td>Sand Silty Yellow</td>
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<td>23.8</td>
<td>708.5</td>
<td>Clay Yellow</td>
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<tr>
<td>28.0</td>
<td>704.2</td>
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<tr>
<td>29.6</td>
<td>702.7</td>
<td>Sand &amp; Coal</td>
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<td>30.5</td>
<td>701.8</td>
<td>Clay Blue</td>
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<tr>
<td>64.0</td>
<td>668.3</td>
<td>Sand &amp; Coal</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Unit</th>
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<td>TDS</td>
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<table>
<thead>
<tr>
<th>Constituent</th>
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<tbody>
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<td>TKN</td>
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<td>Nitrite</td>
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<tr>
<td>Zinc</td>
<td></td>
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<td>Hydroxide</td>
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<td>Total Hardness</td>
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<td>Total Phosphate</td>
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<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<td></td>
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<td>Copper</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate</td>
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<tr>
<td>&amp; Nitrite N</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No Transmissivity: m²/day

**Gamma Log:** No Storativity:

**Aquifer Test:** No Project: Database: 1.000H

**AEP Data:** Yes Well Field Verified: No
NE 10-053-01 W5M

Well Owner: Sarich, Keith

Drilling Contractor: Morrill’s Water Well Drilling Ltd.

Elevation (AMSL) (m): 732
Licence No.: 07309
Date Started: 19 Oct 90
Date Completed: 20 Oct 90

Well Number: 07309

Easting: 62,480.43
Northing: 5,933,113.05

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic

Completed Depth: 87.8 (m)
NPWL (m): 28.7

Abandonment:

Casing:
Type: Steel
Depth (m): 64.9
Bottom (m): 64.9
OD (mm): 139.7
Thickness (mm): 0.1

Seal Type: Driven
from (m): to 64.9

Linier:
Type: Steel
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 26.2
Bottom (m): 87.2

Perforated How: Machine
from (m): 68.9 to 87.2

Screen:
Material: Steel
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Sta-Rite
Intake (m): 61.0

Testing:
Rec’d intake (m): 64.0
Rec’d Rate (lpm): 34.2
Time (minute): 120.0
Level End (m): 56.1
Drawdown (m): 27.4

Laboratory:

<table>
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<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Fluoride</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27
**NW 10-053-01 W5M**

Well Owner: *Ben's Const*
Drilling Contractor: *Marwayne Water Well Drilling Services Ltd*

**Elevation (AMSL) (m): 748**
AEP: *369741*
Licence No.: Not specified
Date Started: 04 Aug 93
Easting: 61,829.66
Date Completed: 05 Aug 93
Northing: 5,933,473.00

<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<tr>
<td>22.9</td>
<td>275.3</td>
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<td>32.9</td>
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<td>42.7</td>
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<td>64.0</td>
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<td>77.1</td>
<td>671.1</td>
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<td>87.2</td>
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<td>103.6</td>
<td>644.5</td>
<td>Shale</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 m
- **NPWL (m):** 36.3
- **Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 81.1
- **Bottom (m):** 81.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 80.2
- **to:** 81.1

**Casing:**
- **Type:** Plastic
- **Depth (m):** 81.1
- **Bottom (m):** 81.1
- **OD (mm):**
- **Thickness (mm):** 0.2

**Liner:**
- **Type:** Shale Trap & Bentonite
- **from (m):** 83.3
- **to:** 103.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 80.5
- **Bottom (m):** 103.6
- **Perforated How:** Saw
- **from (m):** 83.3
- **to:** 103.6
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Sub Jacuzzi 7s4518p**
- **Intake (m):** 70.1

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 180.0
- **Level End (m):** 62.8
- **Drawdown (m):** 26.5
- **Rec'd Rate (lpm):** 70.1
- **Rec'd intake (m):** 27.4

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

*Project: Database: 1.000H*

*Electric Log: No Transmissivity: m²/day*
*Gamma Log: No Storativity:*
*Aquifer Test: No*
*AEP Data: Yes Well Field Verified: No*
NW 10-053-01 W5M

Well Owner: Blanchard, Sam
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 748
AEP: 365600
Licence No.: Easting: 61,829.66
Date Started: 19 May 92
Northing: 5,933,473.00
Date Completed: 20 May 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 85.3 (m)
NPWL (m): 36.6 Verified NPWL (m):
Abandonment:
Casing:
Type: Plastic
Depth (m): 48.8 Bottom (m): 48.8
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Driven & Bentonite
from (m): 45.7 to 48.8
Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 45.7 Bottom (m): 85.3
Perforated How: Saw
from (m): 64.0 to 82.3 Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm): from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump: Sub
Model: Gould 5g0542z Intake (m): 64.0
Testing:
Rate (lpm): 22.8 Time (minute): 340.0
Level End (m): 64.0 Drawdown (m): 27.4
Rec'd intake (m): 61.0 Rec'd Rate (lpm): 18.2

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL) Lithologic Description

(m) (m)
0.3 747.9 Topsoil
6.7 741.5 Clay Brown
17.7 730.5 Clay Gray
20.7 727.4 Till & Clay Gray
43.9 704.3 Shale Light Brown
45.7 702.4 Shale Green
46.6 701.5 Sandstone
53.0 695.1 Shale Greenish Gray
54.3 693.9 Sandstone
56.4 691.8 Shale Gray
58.5 689.6 Sandstone
62.2 686.0 Shale Gray
66.4 681.7 Sandstone Gray
70.4 677.8 Shale Brownish Green
71.9 676.2 Coal
73.8 674.4 Shale Brown
76.8 671.4 Sandstone Gray
77.4 670.7 Shale Brown
79.2 668.9 Siltstone
82.3 665.9 Shale Gray
82.9 665.3 Coal
84.7 663.4 Shale Brown
85.3 662.8 Shale Green

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
printed on 2/20/98
**NW 10-053-01 W5M**

**Well Owner:** Goodman, Lawrence  
**Drilling Contractor:** Rodco Drilling

**Well Number:** 07312  
**Elevation (AMSL) (m):** 742  
**AEP:** 365687  
**Licence No.:** Easting: 61,666.14  
**Date Started:** 01 May 92  
**Northing:** 5,933,096.57  
**Date Completed:** 02 May 92

### General:
- **Type of Work:** Cathodic Protection  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock

**Completed Depth:** 51.8 (m)  
**NPWL (m):** 14.9  
**Verified NPWL (m):** Abandonment:

### Casting:
- **Type:** Plastic  
- **Depth (m):** 36.6  
- **Bottom (m):** 36.6  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1

**Seal Type:** Bentonite Chips/Tabl

**from (m):** 32.9 to 33.5

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 36.6 to 38.1  
- **Size:** 0.01  
- **from (m):** to Size:  

### Open Hole:
- from (m): to

### Pump:
- **Model:**  
- **Intake (m):** 36.6

### Testing:
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 21.6  
- **Rec'd intake (m):** 35.0  
- **Rec'd Rate (lpm):** 68.4

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrte:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrte N:**  
- **DIC:**  
- **Hydroxide:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
*Water Well Positioned by Mow-Tech in 10TM NAD 27*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 99.4 (m)
- **NPWL (m):** 32.0
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
  - **Depth (m):** 71.0
  - **Bottom (m):** 71.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 2.7 to 71.0

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 69.8
- **Bottom (m):** 99.4
- **Perforated How:** Saw
  - **from (m):** 81.4 to 97.5
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):**
    - **Size:**
    - **from (m):**
    - **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 99.4

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 240.0
- **Level End (m):** 89.3
- **Drawdown (m):** 57.3
- **Rec'd intake (m):** 85.3
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercury, Nickel, Selenium, Strontium, Molybdenum, Vanadium, Zinc, Hydroxide, Total Hardness, Manganese, Phosphate, Ion Balance, Amm. Nitrogen, Total Phosphate, Total Alkalinity, Lead, Nitrate &amp; Nitrite, Bicarbonate, COD, DIC, TKN, Calcium</td>
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</table>

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 21.3
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 49.1
- **Bottom (m):** 49.1
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Perforated How:** from (m): to Size:
- **Bottom (m):**
- **Thickmess (mm):**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 49.1 to 50.6
- **Size:** 0.02
- **Top (m):**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 9.1
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Beryllium:**
- **Phosphate:**
- **Beryllium:**
- **Lithologic Description**
  - **Depth (m):**
  - **Elevation (m):**
  - **Lithologic Description:**
    - 10.7 717.2 Clay Yellow
    - 13.7 714.2 Clay Blue
    - 27.4 700.5 Shale Green
    - 29.0 698.9 Shale Sandy Gray
    - 35.0 692.8 Shale Gray
    - 42.7 685.2 Sand
    - 45.1 682.8 Shale Gray
    - 45.7 682.2 Sand
    - 51.2 676.7 Sand & Shale Gray
    - 54.3 673.6 Clay Blue
    - 54.9 673.0 Shale Green

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
**NW 11-053-01 W5M**

**Well Owner:** Demchuk, Bill  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 733  
**AEP:** 373928  
**Date Started:** 08 Nov 93  
**Date Completed:** 08 Nov 93

<table>
<thead>
<tr>
<th>Well Number</th>
<th>07315</th>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 36.6 (m)  
**NPWL (m):** 11.6  
**Verified NPWL (m):**  
**Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 34.4  
- **Bottom (m):** 34.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.2  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** 22.9  
- **to:** 24.4

**Liner:**
- **Type:** St  
- **OD (mm):** 1.2  
- **Thickness (mm):**  
- **from (m):** 34.4  
- **to:** 36.0  
- **Size:** 0.01

**Screen:**
- **Material:** St  
- **OD (mm):** 1.2  
- **Thickness (mm):**  
- **from (m):** 34.4  
- **to:** 36.0  
- **Size:** 0.01

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 26.5  
- **Drawdown (m):** 16.5  
- **Rec'd intake (m):** 30.5  
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>8.5</td>
<td>724.6</td>
<td>Clay Brown</td>
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<tr>
<td>22.9</td>
<td>710.3</td>
<td>Clay Silty Gray</td>
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<tr>
<td>27.4</td>
<td>705.7</td>
<td>Sand Fine Grained</td>
</tr>
<tr>
<td>27.7</td>
<td>705.4</td>
<td>Clay &amp; Coal</td>
</tr>
<tr>
<td>36.0</td>
<td>697.2</td>
<td>Sand Coarse Grained</td>
</tr>
<tr>
<td>36.6</td>
<td>696.6</td>
<td>Clay</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
**NW 11-053-01 W5M**

**Well Number: 07316**

**Well Owner:** Ference, Ruth  
**Drilling Contractor:** Midwest Drilling Ltd.

**Elevation (AMSL) (m):** 719  
**AEP:** 359719  
**Licence No.:** Easting: 63,503.89  
**Date Started:** 27 Aug 91  
**Northing:** 5,933,459.00  
**Date Completed:** 28 Aug 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 108.7 (m)  
**NPWL (m):** 12.2  
**Verified NPWL (m):**

**Abandonment:**
- **Casing:** Plastic
  - **Type:** Plastic  
  - **Depth (m):** 50.3  
  - **Bottom (m):** 50.3  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1

**Seal Type:** Sand Pack  
**from (m):** to 109.7

**Liner:**
- **Type:**
- **OD (mm):**
- ** Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

**Screen:**
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** to 50.3  
- **Size:** 0.01  
- **from (m):** to 51.8

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 45.6  
- **Time (minute):** 180.0

**Level End (m):** 39.6  
**Drawdown (m):** 27.4  
**Rec'd Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TC:**  
- **Manganese:**  
- **Zinc:**  
- **Magnesium:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Selenium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing:
- **Electric Log:** No  
- **Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**Well Number: 07317**

**Well Owner:** Getzinger, Gerald  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 722  
**AEP:** 357886  
**Licence No.:** 63,417.30  
**Date Started:** 22 May 91  
**Date Completed:** 22 May 91

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 56.4 (m)  
- **NPWL (m):** 11.6  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 51.8  
- **Bottom (m):** 51.8  
- **OD (mm):** 142.8  
- **Thickness (mm):** 0.1  
- **Seal Type:** Other
- **from (m):** to 56.4

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):  
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** to 51.8  
- **Size:** 53.3
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 36.5  
- **Time (minute):** 420.0  
- **Level End (m):**
- **Drawdown (m):** 31.1  
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Selenium:**
- **Nitrate:**
- **Molybdenum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 53.3 (m)
  - NPWL (m): 12.2
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
  - Depth (m): 47.9
  - Bottom (m): 47.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
  - from (m): to 12.2

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 7.5
- **from (m):** 47.9 to 49.4
- **Size:** 0.01
- **from (m):**
- **Size:**
- **Open Hole:**
  - from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 42.7
- **Drawdown (m):** 30.5
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Data:**
- **Well Number:** 07318
- **Elevation (AMSL) (m):** 721
- **AEP:** 366144
- **Licence No.:**
- **Easting:** 63,511.98
- **Northing:** 5,933,355.50
- **Date Started:** 31 Aug 92
- **Date Completed:** 01 Sep 92
- **New Well Position:** by PFRA in 10TM NAD 27

**Chemical Constituents:**
- **COD:**
- **SAR:**
- **TN:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Selenium:**
- **Sulphate:**
- **Bicarbonate:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Manganese:**
- **Barium:**
- **Beryllium:**
- **Lead:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Sulphate:**
- **Bicarbonate:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Manganese:**
- **Barium:**
- **Beryllium:**
- **Lead:**
- **Strontium:**
- **Sodium:**

**Permeability:**
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Water Well Positioned by PFRA in 10TM NAD 27**
NW 11-053-01 W5M

Well Number: 07319

Well Owner: Graham, Peter
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 733
AEP: 366340
Licence No.: Easting: 65,305.31
Date Started: 28 Nov 91
Northing: 5,933,160.00
Date Completed: 28 Nov 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 29.0 (m)
NPWL (m): 10.7
Abandonment:

Casings:
Type: Plastic
Depth (m): 24.4
Bottom (m): 24.4
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl

Liner:
Type:
OD (mm):
Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): 24.4 to 25.9 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Jacuzzi
Intake (m): 25.9

Testing:
Rate (lpm): 18.2
Time (minute): 180.0
Level End (m): 19.8
Drawdown (m): 9.1
Rec'd Rate (lpm): 22.9
Rec'd intake (m): 18.2

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminum:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD
SAR
TKN
Nitrate
Nitrite
Molybdenum
TN
TC
DIC
Arsenic
Barium
Beryllium
Arsenic
Beryllium
Bicarbonate

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NW 11-053-01 W5M**

**Well Owner:** Hausch, Fred  
**Drilling Contractor:** Unknown Driller

**Well Number:** 07320  
**Elevation (AMSL) (m):** 732  
**AEP:** 368684  
**Licence No.:** Easting: 63,256.82  
**Date Started:** Northing: 5,933,263.00  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 64.0 (m)  
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **Open Hole:** from (m): to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
NW 11-053-01 W5M

Well Number: 07321

Well Owner: Hausche, Fred
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 732
AEP: 377770
Licence No.: Easting: 63,256.82
Date Started: 30 Jan 93
Nothing: 5,933,263.00
Date Completed: 30 Jan 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 62.5 (m)
NPWL (m): 19.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 62.5 Bottom (m): 62.5
OD (mm): 127.0 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): 6.1 to 7.6

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.4
from (m): 61.0 to 62.5 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 36.6

Testing:
Rate (lpm): 91.2 Time (minute): 120.0
Level End (m): 36.6 Drawdown (m): 19.8
Rec'd intake (m): 30.5 Rec'd Rate (lpm): 45.6

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 121.9 m
- **NPWL (m):** 32.3
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 70.1
  - **Bottom (m):** 70.1
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
  - **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 67.1 to 70.1

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 67.1
- **Bottom (m):** 121.9

### Perforated How:
- **Level:** Machine
- **from (m):** 73.2 to 85.3
- **Size:**
- **from (m):** 104.9 to 117.0
- **Size:**
- **from (m):** Size:

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
  - **Model:** Jacuzzi
  - **Intake (m):** 100.6

### Testing:
- **Rate (lpm):** 11.4
- **Time (minute):** 680.0
- **Level End (m):** 91.4
- **Drawdown (m):** 59.1
- **Rec'd intake (m):** 103.6
- **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **Calcium:** Vanadium
- **Sodium:** Mercury
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Barium:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **TOC:**
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 07323**

**Well Owner:** Letourneau, Gerry  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 68.6 m  
- **NPWL (m):** 10.4  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth:** 38.7 m  
  - **Bottom:** 38.7 m  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from:** (m)  
- **to:** 38.7 m

### Liner:
- **Type:** Plastic  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top:** 37.2 m  
- **Bottom:** 67.7 m  
- **Perforated How:** Saw  
- **from:** 38.7 m  
- **to:** 37.2 m  
- **Size:**
- **from:** (m)  
- **to:** (Size)

### Screen:
- **Material:**  
- **OD (mm):**
  - **from:** (m)  
  - **to:** (Size)

### Open Hole:
- **from:** (m)  
- **to:**

### Pump:
- **Model:** SSPO402T-02  
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):** 24.4  
- **Drawdown (m):** 20.1  
- **Rec'd intake (m):** 30.5  
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Selenium:**  
- **Nitrate:** Strontium  
- **Nitrite:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **TC:** Hydroxide  
- **DIC:**  
- **Bicarbonate:**  
- **Arsenic:** Total Hardness  
- **Barium:** Manganese  
- **Sulphate:** Beryllium  
- **Chloride:** Ion Balance  
- **Cadmium:** Amm. Nitrogen  
- **Fluoride:** Cobalt  
- **Iron:** Total Phosphate  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrates:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
## SW 11-053-01 W5M

**Well Owner:** Mclay, Earl  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.  

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<tr>
<td>from (m):</td>
<td>to</td>
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<td>from (m):</td>
<td>to</td>
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<td><strong>Open Hole:</strong></td>
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<tr>
<td>Rec’d Rate (lpm):</td>
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| **Laboratory:** | |
| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS: | TKN | Selenium |
| Sodium: | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate: | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

| **Remarks:** | Chemical Constituents are in mg/l (ppm). Except as noted. |

**Water Well Positioned by PFRA in 10TM NAD 27**
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 07326**

**Well Owner:** Litzenberger, Craig

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 697

**Licence No.:** Easting: 65,812.95

**Date Started:** 28 Apr 94

**Date Completed:** 28 Apr 94

**Well Number:** NE 13-053-01 W5M

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 4.0 (m)
- **NPWL (m):** 4.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 42.1
- **Bottom (m):** 42.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
- **from (m):**
- **to 42.1**

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 41.2
- **Bottom (m):** 64.3
- **Perforated How:** Saw
- **from (m):**
- **44.2 to 62.5**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**

### Open Hole:

- **from (m):**
- **to**

### Pump:

- **Model:**
- **Intake (m):** 39.6

### Testing:

- **Intake (m):**
- **Rate (lpm):** 120.0
- **Time (minute):**
- **Level End (m):** 18.6
- **Drawdown (m):** 14.6
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 22.8

### Laboratory:

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

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Printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 92.7 (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 16.5
- **Bottom (m):** 16.5
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Formation Seal
  - **from (m):** to 16.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 91.7
- **Perforated How:** Torch
  - **from (m):** to 91.7
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**
- **Rate (lpm):** 16.0
- **Time (minute):** 420.0
- **Intake (m):**
- **NPWL (m):**
- **Bottom (m):**
- **Top (m):**
- **Thickness (mm):**
- **OD (mm):**
- **Perforated How:**
  - **Size:**
  - **Size:**
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **Size:**
  - **Size:**
  - **Size:**
- **Open Hole:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Intake (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Calcium:**
- **Bicarbonate:**
- **TC:**
- **Sodium:**
- **Barium:**
- **Manganese:**
- **Potassium:**
- **Beryllium:**
- **Sulphate:**
- **Cadmium:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storage:**
- **Aquifer Test:**
- **NO**:
- **Total Phosphate:**
- **Iron:**
- **Cobalt:**
- **Phosphate:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:

### Project:
- **Database:** 1.000H
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**NE 14-053-01 W5M**

**Well Number: 07328**

**Well Owner:** Cardinal, Doug  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 710  
**AEP:** 410531  
**Date Started:**  
**Date Completed:**

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<td>OD (mm):</td>
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<tr>
<td>from (m):</td>
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<td>Seal Type:</td>
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<td>Perforated How:</td>
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<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<tr>
<td>Open Hole:</td>
<td></td>
<td></td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<td>Time (minute):</td>
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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<td>02 Mar 82</td>
<td>pH (pH unit): 8.20</td>
<td>COD</td>
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<tr>
<td>Cond. (µS/cm): 1691</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium: 376.97</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium: 1.56</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<td>Calcium: 22.04</td>
<td>TN</td>
<td>Vanadium</td>
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<td>Magnesium: 3.04</td>
<td>TC</td>
<td>Zinc</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate: 779.71</td>
<td>Arsenic</td>
<td>Total Hardness: 67.00</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate: 294.90</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride: 2.13</td>
<td>Cadmium</td>
<td>Ion Balance: 0.93</td>
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<td>Fluoride: 0.63</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron: 0.42</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity: 640.0</td>
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<td>Silica: 9.60</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<th>Electric Log:</th>
<th>Transmissivity: m²/day</th>
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<tbody>
<tr>
<td>Gamma Log:</td>
<td>Storativity:</td>
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<tr>
<td>Aquifer Test:</td>
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<tr>
<td>Project:</td>
<td>Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Adams, Brian
Drilling Contractor: Summers, David Drilling

Well Number: 07329

Elevation (AMSL) (m): 720
AEP: 443240
Licence No.: Easting: 63,555.82
Date Started: 10 Jul 95 Northing: 5,933,852.50
Date Completed: 10 Jul 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 64.0 (m)
NPWL (m): 12.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.6 Bottom (m): 36.6
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Table
from (m): to 36.6

Liner:
Type: Plastic
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 33.5 Bottom (m): 64.0
Perforated How: Saw
from (m): 39.6 to 64.0 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m): 54.9
Testing:
Rate (lpm): 51.8 Time (minute): 120.0
Rec’d intake (m): 61.0 Rec’d Rate (lpm): 18.2

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Well Use: Domestic
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 64.0 (m)
NPWL (m): 12.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.6 Bottom (m): 36.6
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Table
from (m): to 36.6

Liner:
Type: Plastic
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 33.5 Bottom (m): 64.0
Perforated How: Saw
from (m): 39.6 to 64.0 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Plastic
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m): 54.9
Testing:
Rate (lpm): 51.8 Time (minute): 120.0
Rec’d intake (m): 61.0 Rec’d Rate (lpm): 18.2

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Well Number:** 07330  

**Well Owner:** Callaghan, Dr John C.  
**Drilling Contractor:** Dutchys Ww Drig  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 70.1 (m)  
- **NPWL (m):** 36.6  
- **Abandonment:**  

#### Casing:
- **Type:** Galvanized Steel  
  - **Depth (m):** 49.7  
  - **OD (mm):** 101.6  
  - **Seal Type:** to  

#### Liner:
- **Type:**  
  - **OD (mm):**  
  - **Thickness (mm):**  
  - **Top (m):**  
  - **Bottom (m):**  
  - **Perforated How:** from (m): to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  

#### Screen:
- **Material:**  
  - **OD (mm):** from (m): to Size:  
  - **Thickness (mm):** from (m): to Size:  

#### Open Hole:
- **from (m):** to  

#### Pump:
- **Model:**  
  - **Intake (m):**  

#### Testing:
- **Rate (lpm):** 18.2  
  - **Time (minute):** 120.0  
  - **Rec'd intake (m):** 42.7  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  

### Electric Log:
- **Transmissivity:** m³/day  

### Gamma Log:
- **Storativity:**  

### Aquifer Test:
- **Project:**  
- **Database:** 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### Well Number: 07331

**Well Owner:** Sehkos Ltd C/O Copeland, Wayne  
**Drilling Contractor:** Double R Drlg  

**Elevation (AMSL) (m):** 727  
**AEP:** 363003  
**Licence No.:** Easting: 62,732.47  
**Date Started:** 14 Jan 92  
**Norting:** 5,934,814.50  
**Date Completed:** 13 Feb 92

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 126.5 m  
  - NPWL (m): 34.1  
  - Verified NPWL (m):  
- **Abandonment:**  

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 66.4  
  - Bottom (m): 66.4  
- **OD (mm):** 152.4  
  - Thickness (mm): 0.1  
- **Seal Type:** Driven & Grouted  
  - from (m): 62.5  
    - to: 103.6  

**Liner:**  
- **Type:**  
- **OD (mm):** 127.0  
  - Thickness (mm): 0.1  
- **Top (m):** 62.5  
  - Bottom (m): 103.6  

**Perforated How:**  
- from (m): to  
  - Size:  
- from (m): to  
  - Size:  
- from (m): to  
  - Size:  

**Screen:**  
- **Material:**  
- **OD (mm):**  
  - from (m): to  
  - Size:  
  - from (m): to  
  - Size:  
  - from (m): to  
  - Size:  

**Open Hole:**  
- from (m): to  

**Pump:** Sub  
- **Model:** Jacuzzi  
- **Intake (m):** 102.1  

**Testing:**  
- **Rate (lpm):** 3.4  
  - Time (minute): 300.0  
- **Level End (m):** 102.1  
  - Drawdown (m): 68.0  
- **Rec’d intake (m):** 94.5  
  - Rec’d Rate (lpm): 4.6

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
  - Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**  
*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation
- **Completed Depth:** 91.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:** from (m): to Size:
- **Open Hole:** from (m): to

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Electric Log:** Yes
**Transmissivity:** m²/day
**Gamma Log:** Yes
**Storativity:**
**Aquifer Test:** No
**Project:**
**AEP Data:** Yes
**Database:** 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 07322**

- **Well Owner:** Alta Env #1695e
- **Drilling Contractor:** Alberta Environment/Earth Sciences Div
- **Elevation (AMSL) (m):** 736
- **AEP:** 369018
- **Licence No.:** Easting: 61,598.49
- **Date Started:** Northing: 5,934,124.50
- **Date Completed:** 29 May 77

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<td>730.2</td>
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<td>12.2</td>
<td>724.1</td>
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<td>13.4</td>
<td>722.8</td>
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<td>702.7</td>
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<td>34.1</td>
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<td>42.7</td>
<td>693.6</td>
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<td>54.9</td>
<td>681.4</td>
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**Remarks:**

Yes No

**Printed on:** 2/20/98
Well Number: 07333

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth:** 76.2 (m)
- **Bottom:** 71.3 (m)
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Table
- **from (m):** to 30.5

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- from (m): 71.3 to 72.8 Size: 0.01
- from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 72.8

**Testing:**
- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):** 33.2
- **Drawdown (m):** 5.8
- **Rec'd intake (m):** 33.5
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**
- **Open Hole:**
- **from (m):** to Size:
- **Perforated How:**
- **Pump:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec’d Rate (lpm):**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Neglected Items: Yes

**Database:** Project: 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07333

**Well Owner:** Barrett, Anthony

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 753

**AEP:** 404861

** Licence No.:**

**Easting:** 59,752.52

**Northing:** 5,935,123.50

**Date Started:** 19 Dec 94

**Date Completed:** 19 Dec 94

**Well Field Verified:** No
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 62.5 m
- NPWL: 27.4 m
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 58.5
- Bottom (m): 58.5
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): 6.1 to 36.6

**Liner:**
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:

**Screen:**
- Material: St
- OD (mm): 1.2
- from (m): 58.5 to 60.0
- Size: 0.01
- from (m): 60.0 to

**Open Hole:**
- from (m):

**Pump:**
- Model: Jacuzzi 7s45189
- Intake (m): 57.9

**Testing:**
- Rate (lpm): 82.1
- Time (minute): 420.0
- Level End (m): 57.9
- Drawdown (m): 30.5
- Rec'd intake (m): 45.7
- Rec'd Rate (lpm): 68.4

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**

| Type of Work: | New Well |
| Well Use:     | Domestic |
| Completed Depth | 74.7 (m) |
| NPWL (m):    | 29.0 |
| Abandonment: | No |

**Casing:**

| Type:      | Plastic |
| Depth (m): | 71.0 |
| Bottom (m): | 71.0 |
| OD (mm):   | 152.4 |
| Thickness (mm): | 0.1 |
| Seal Type: | Bentonite Chips/Tablet |
| from (m):  | to 64.0 |

**Liner:**

| OD (mm):   | Thickness (mm): |
| Top (m):   | Bottom (m): |
| Perforated How: | to Size: |
| from (m):  | to Size: |
| from (m):  | to Size: |

**Screen:**

| Material: | St |
| OD (mm):  | 1.5 |
| from (m): | 71.0 to 72.5 |
| to Size:  | 0.12 |

**Open Hole:**

| from (m): | to |

**Pump:**

| Model:   | Intake (m): |
| Rate (lpm): | 91.2 |
| Time (minute): | 300.0 |
| Level End (m): | 54.9 |
| Drawdown (m): | 25.9 |
| Rec’d intake (m): | Rec’d Rate (lpm): |

**Laboratory:**

| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphorus |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |
| | | |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.8</td>
<td>732.9</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>49.4</td>
<td>707.2</td>
<td>Clay Sandy Blue</td>
</tr>
<tr>
<td>63.7</td>
<td>692.9</td>
<td>Sand Silty</td>
</tr>
<tr>
<td>65.2</td>
<td>691.4</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>72.5</td>
<td>684.1</td>
<td>Sand Coarse Grained</td>
</tr>
<tr>
<td>74.7</td>
<td>682.0</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Well Number: 07336**

**Well Owner:** Vincent, Rick  
**Drilling Contractor:** D&D Water Well Drilling & Services

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>(m) (m)</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
</tr>
<tr>
<td>Completed Depth 75.6 (m)</td>
<td>32.3 723.7 Clay Sandy Yellow</td>
</tr>
<tr>
<td>NPWL (m): 30.2</td>
<td>35.7 720.3 Clay Blue</td>
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<tr>
<td>Verified NPWL (m):</td>
<td>57.6 698.4 Sand</td>
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<tr>
<td>Abandonment:</td>
<td>59.1 696.9 Clay Blue</td>
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<table>
<thead>
<tr>
<th>Casing:</th>
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<tbody>
<tr>
<td>Type: Plastic</td>
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<tr>
<td>Depth (m): 69.5</td>
<td>Bottom (m): 69.5</td>
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</tr>
<tr>
<td>OD (mm): 152.4</td>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>Seal Type: Bentonite Chips/Tabl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to 58.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liner:</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Type:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
<td></td>
</tr>
<tr>
<td>Perforated How:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Screen:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Material: St</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm): 1.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): 69.5 to 71.0</td>
<td>Size: 0.01</td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Open Hole:</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>from (m): to</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Model:</td>
<td>Intake (m): 71.0</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Testing:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate (lpm): 68.4</td>
<td>Time (minute): 120.0</td>
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<tr>
<td>Level End (m): 58.8</td>
<td>Drawdown (m): 28.7</td>
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<tr>
<td>Rec'd intake (m): 56.4</td>
<td>Rec'd Rate (lpm): 22.8</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

<table>
<thead>
<tr>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
<td></td>
</tr>
<tr>
<td>Project:</td>
<td>Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
### General:
- **Well Number:** 07337
- **Well Owner:** Weir, Brian/Meda
- **Drilling Contractor:** Midwest Water Well Ltd.
- **Elevation (AMSL) (m):** 759
- **AEP:** 369221
- **Licence No.:** Easting: 59,895.56
- **Date Started:** 13 Apr 93
- **Northing:** 5,935,128.00
- **Date Completed:** 14 Apr 93

### Well Information:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 38.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casings:
- **Type:** Plastic
- **Depth (m):** 68.6
- **Bottom (m):** 68.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Gravel Pack
- **from (m):** to 73.2

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 68.6 to 70.1
- **Size:** 0.01
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
- **Model:**
- **Intake (m):** 67.1

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 300.0
- **Level End (m):** 67.1
- **Drawdown (m):** 28.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Magnesium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Tc:**
- **Zinc:**
- **Magnesium:**
- **Seal Type:**
- **Closed:**
- **Type:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to Size:
- **Bottom (m):**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Cobalt:**
- **Total Phosphate:**
- **Iron:**
- **Total Alkalinity:**
- **TOC:**
- **Copper:**
- **Total Nitrogen:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

*printed on 2/20/98*
**NE 17-053-01 W5M**

**Well Number:** 07338

**Well Owner:** Alta Env #1915e

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 755

**AEP:** 372388

**Licence No.:**

**Easting:** 59,215.95

**Date Started:** 26 Jul 79

**Northing:** 5,934,689.43

**Date Completed:** 26 Jul 79

### General:

- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 67.1 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Unknown

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Intake (m):

### Testing:

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H

### Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

Printed on 2/20/98
NE 17-053-01 W5M

Well Owner: Alta Env #1916e
Drilling Contractor: Alberta Environment

General:
Type of Work: Test Hole
Drilling Method: Rotary
Well Use: Observation
Completed Depth: 109.7 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Top (m): Thickness (mm):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: Depth (m):
OD (mm): Thickness (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Number 07339
Elevation (AMSL) (m): 764
AEP: 372387
Licence No.: Easting: 59,132.65
Date Started: 22 Jul 79 Northing: 5,934,854.50
Date Completed: 27 Jul 79

Depth Elevation

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Silt Brown</td>
<td>9.1</td>
<td>754.8</td>
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<tr>
<td>Silt Gray</td>
<td>28.7</td>
<td>735.3</td>
</tr>
<tr>
<td>Sand &amp; Coal</td>
<td>30.5</td>
<td>733.4</td>
</tr>
<tr>
<td>Clay &amp; Sand</td>
<td>61.0</td>
<td>703.0</td>
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<tr>
<td>Sand</td>
<td>75.3</td>
<td>688.6</td>
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<tr>
<td>Siltstone</td>
<td>78.3</td>
<td>685.6</td>
</tr>
<tr>
<td>Sandstone</td>
<td>81.4</td>
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<tr>
<td>Siltstone</td>
<td>96.9</td>
<td>667.0</td>
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<tr>
<td>Shale</td>
<td>97.5</td>
<td>666.4</td>
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<tr>
<td>Siltstone</td>
<td>109.7</td>
<td>654.2</td>
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</table>

Electric Log: Yes Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 61.0
- **Bottom (m):** 61.0
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Cement/Grout
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 65.5 to 67.1
- **Size:** 0.07

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Bicarbonate:**
- **Barium:**
- **Manganese:**
- **Aluminium:**
- **Beryllium:**
- **Phosphate:**
- **Sulphate:**
- **Calcium:**
- **Vanadium:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Owner: Alta Env #1920e
Drilling Contractor: Alberta Environment

General:
- Type of Work: Test Hole
- Drilling Method: Rotary
- Well Use: Observation
- Completed Depth: 74.7 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 71.6
- Bottom (m): 71.6
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Formation Packer
- from (m): to 68.9

Liner:
- Type: St
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material: St
- OD (mm): 1.2
- from (m): to 74.7
- Size: 0.01
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):
- Rate (lpm): 182.4
- Time (minute): 120.0
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- 26 Nov 85
- pH (pH unit) 7.73
- COD 9.00
- pH Cond. (µS/cm) 980.0
- SAR 1.20
- Nickel 0.01
- TDS 667.0
- TKN 59.80
- Nitrate 0.10
- Strontium 20.30
- Potassium 4.69
- Nitrite 0.01
- Molybdenum 0.01
- Calcium 138.28
- TN 15.73
- Vanadium 0.01
- Magnesium 39.88
- TC 0.44
- Zinc 0.04
- Carbonate 511.87
- DIC 107.3
- Hydroxide 1.02
- Bicarbonate 177.71
- Arsenic 0.10
- Total Hardness 480.00
- Aluminium 2.90
- Manganese 0.26
- Sulphate 177.71
- Phosphate 0.01
- Chloride 1.77
- Ion Balance 1.02
- Fluoride 0.13
- Amm. Nitrogen 0.05
- Iron 3.83
- Total Phosphate 0.01
- TOC 4.00
- Copper 0.01
- Total Alkalinity 420.0
- Silica 0.04
- Lead 0.04
- Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Well Owner:** Alta Env #1921e
- **Drilling Contractor:** Alberta Environment
- **Location:** NE 17-053-01 W5M
- **Well Number:** 07342
- **Elevation (AMSL) (m):** 764
- **AEP:** 368525
- **Date Started:** 14 Nov 79
- **Date Completed:**
- **Licence No.:** Easting: 59,132.65
- **Northing:** 5,934,854.50
- **Water Well Positioned by PFRA in 10TM NAD 27**

<table>
<thead>
<tr>
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<tr>
<td>Well Use</td>
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<td>Thickness (mm):</td>
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<td>Seal Type</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<td>to</td>
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<td>Lithologic Description</td>
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<table>
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<th>Field</th>
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</thead>
<tbody>
<tr>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
<td></td>
</tr>
</tbody>
</table>
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 83.8 (m)
  - NPWL (m): 42.9
- **Abandonment:**

### Casing:
- **Type:** Steel
  - **Depth (m):** 77.1
  - **Bottom (m):** 77.1
- **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): to 77.1

### Liner:
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm):
  - Top (m): Bottom (m): 83.8
- **Perforated How:** Machine
  - from (m): 77.4 to 83.8
  - from (m): 83.8 to

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to
  - from (m): to

### Open Hole:
- from (m): to

### Pump:
- **Model:**
  - Intake (m): 74.1

### Testing:
- **Rate (lpm):** 3.8
  - **Time (minute):** 460.0
- **Level End (m):** 68.3
  - **Drawdown (m):** 25.6
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 8.40
- **Cond. (µS/cm):** 90.00
- **SAR:** 0.60
- **Nitrate:** 6.90
- **Strontium:** 0.08
- **Nitrite:** 6.65
  - **Molybdenum:**
  - **Cadmium:** 6.61
  - **Vanadium:**
  - **Magnesium:** 1.09
  - **Calcium:** 3.30
  - **Sulfate:** 4.80
  - **Iron:**
  - **Barium:** 0.06
  - **Manganese:**
  - **Chloride:** 1.42
  - **Cadium:** 0.60
  - **Iron:**
  - **Fluoride:** 0.13
  - **Chromium:**
  - **Iron:**
  - **TOC:** 7.60
  - **Copper:**
  - **Total Alkalinity:**
  - **Silica:** Lead
  - **Total Hardness:**
  - Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Well Field Verified: No

### Lithologic Description
- **Depth (m):**
  - **Elevation (BGL) (m):**
  - **Lithologic Description:**
    - 9.1 754.8 - Silt
    - 28.7 735.3 - Silt Gray
    - 30.5 733.4 - Sand & Coal
    - 61.0 703.0 - Clay & Sand
    - 73.8 690.2 - Sand
    - 79.2 684.7 - Silt
    - 82.9 681.0 - Sandstone
    - 83.8 680.1 - Claystone

### Water Well Positioned by PFRA in 10TM NAD 27
NE 17-053-01 W5M

Well Owner: Froland, Darren/Michele
Drilling Contractor: D&D Water Well Drilling & Services

Well Number 07344
Elevation (AMSL) (m): 762
AEP: 369403
Licence No.: Easting: 58,926.30
Date Started: 24 May 93
No. Northing: 5,935,015.00
Date Completed: 28 May 93

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 128.6 (m)
- NPWL (m): 52.1
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 88.7
- Bottom (m): 88.7
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): to 88.7

Liner:
- Type: Shale Trap & Bentonite
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 87.5
- Bottom (m): 128.6
- Perforated How: Saw
- from (m): to 128.6
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 128.6

Testing:
- Rate (lpm): 45.6
- Time (minute): 180.0
- Level End (m): 103.6
- Drawdown (m): 51.5
- Rec’d intake (m): 85.3
- Rec’d Rate (lpm): 22.8

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): Mercury
- SAR
- TDS: Nickel
- Nitrate: Selenium
- Sodium: Strontium
- Potassium: Molybdenum
- Calcium: Vanadium
- Magnesium: Zinc
- Carbonate: Hydroxide
- Bicarbonate: Total Hardness
- Aluminium: Manganese
- Sulphate: Phosphate
- Chloride: Ion Balance
- Fluoride: Amm. Nitrogen
- Iron: Total Phosphate
- TOC: Total Alkalinity
- Silica: Lead
- Nitrate: Nitrite N
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

E&M Transmissivity: m³/day
Gamma Log: No
Aquifer Test: No
AEP Data: Yes
Database: 1.000H
Project: Well Field Verified: No
**NE 17-053-01 W5M**

**Well Number:** 07345

**Well Owner:** Garrett, Ron

**Drilling Contractor:** D&D Water Well Drilling & Services

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 129.5 m
- **NPWL (m):** 39.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 74.1
- **Bottom (m):** 74.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

### Seal Type:

- **Welded Ring & Benton
- from (m):** to 74.1

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 73.2
- **Bottom (m):** 129.5

### Perforated How:

- **Other
- from (m):** to 125.0
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 27.4
- **Time (minute):** 240.0
- **Level End (m):** 85.3
- **Drawdown (m):** 45.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<th>Mercury</th>
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<td>Strontium</td>
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<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
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<td>Vanadium</td>
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<td>Magnesium</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Elevation (AMSL) (m):** 763

**AEP:** 362184

**Date Started:** 06 Dec 89

**Easting:** 59,096.59

**No**

**AEP Data: Yes**

**Well Field Verified: No**

---

**Electronic Log:** No

**Electric Log:** No

**Gamma Log:** No

**Aquifer Test:** No

**Database:** 1.000H

---

**Printed on:** 2/20/98
**Well Number:** 07346

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 128.0 (m)
- **NPWL (m):** 57.9
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 87.2
  - **Bottom (m):** 87.2
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** 79.2
  - **to:** 87.2
- **Liner:**
  - **Type:**
    - **OD (mm):** 114.3
    - **Thickness (mm):** 0.1
  - **Top (m):** 85.3
  - **Bottom (m):** 128.0
- **Perforated How:** Hand Drill
  - **from (m):** 109.7
  - **to:** 128.0
- **Screen:**
  - **Material:**
    - **OD (mm):**
      - **from (m):**
        - **to:**
  - **Thickness:**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
  - **to:**
- **Pump:**
  - **Model:**
  - **Intake (m):** 128.0
- **Testing:**
  - **Rate (lpm):** 136.8
  - **Time (minute):** 480.0
  - **Level End (m):** 70.1
  - **Drawdown (m):** 12.2
  - **Rec'd intake (m):** 70.1
  - **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**Well Number: 07347**

**Well Owner:** Smallwood, Don

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 767

**Licence No.:** Easting: 59,012.45

**Date Started:** Northing: 5,934,786.50

**Date Completed:**

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<th>Depth Elevation</th>
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<td><strong>(m) (m)</strong></td>
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<td><strong>Drilling Method:</strong> Unknown</td>
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<td><strong>Completed Depth:</strong> 129.5 (m)</td>
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<td><strong>Bottom (m):</strong></td>
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<td><strong>Type:</strong></td>
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<td><strong>from (m):</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
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<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
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<tr>
<td><strong>Open Hole:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
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</tr>
<tr>
<td><strong>Pump:</strong></td>
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<td>Time (minute):</td>
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<td><strong>Level End (m):</strong></td>
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<td><strong>Rec'd intake (m):</strong></td>
<td>Rec'd Rate (lpm):</td>
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</table>

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

printed on 2/20/98
**NW 17-053-01 W5M**

**Well Owner:** Alta Env #1917e  
**Drilling Contractor:** Alberta Environment

---

**General:**
- **Type of Work:** Test Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Observation  
- **Completed Depth:** 109.7 m  
- **NPWL (m):** 58.383.57  
- **Verified NPWL (m):** 58.383.50

**Casing:**
- **Type:**  
- **Depth (m):**  
- **Bottom (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):**  
- **to:**  

**Liner:**
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  

**Open Hole:**
- **from (m):**  

**Pump:**
- **Model:**  
- **Intake (m):**  

**Testing:**
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

---

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Sulfate:**  
- **Molybdenum:**  
- **Magnesium:**  
- **Calcium:**  
- **Vanadium:**  
- **Barium:**  
- **Manganese:**  
- **Arsenic:**  
- **Strontium:**  
- **Total Hardness:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Lead:**  
- **Nitrate:**  
- **Phosphate:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Potassium:**  
- **TC:**  
- **Magnesium:**  
- **Zinc:**  
- **DIC:**  
- **Calcium:**  
- **Vanadium:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Copper:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Silica:**

---

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 07349**

**Well Owner:** Bourassa, Louis  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 756  
**Licence No.:** Easting: 58,207.28  
**Date Started:** 06 Jun 95  
**Date Completed:** 09 Jun 95

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 97.2 (m)  
  - **NPWL (m):** 47.6  
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
  - **Depth (m):** 78.6  
  - **Bottom (m):** 78.6
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to 78.6

### Liner:
- **Type:**
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1
  - **Top (m):** 77.1  
  - **Bottom (m):** 96.3
- **Perforated How:** Saw
  - **from (m):** to 96.3  
  - **Size:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to 
    - **Size:**
    - **from (m):** to 
    - **Size:**
- **Open Hole:**
  - **from (m):** to 

### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 70.1

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0
- **Level End (m):** 65.5  
- **Drawdown (m):** 18.0
- **Rec'd Rate (lpm):** 70.1  
- **Rec'd intake (m):** 22.8

### Laboratory:
- **pH (pH unit):**
  - **COD:** Mercury
  - **SAR:** Nickel
  - **TKN:** Selenium
  - **Nitrate:** Strontium
  - **Nitrite:** Molybdenum
  - **TN:** Vanadium
  - **TC:** Zinc
  - **DIC:** Hydroxide
  - **Arsenic:** Total Hardness
  - **Barium:** Manganese
  - **Beryllium:** Phosphate
  - **Cadmium:** Ion Balance
  - **Chromium:** Amm. Nitrogen
  - **Cobalt:** Total Phosphate
  - **Copper:** Total Alkalinity
  - **Lead:** Nitrate & Nitrite
  - **Silica:**

### Lithologic Description:
- **Depth:** (m)  
  - **Elevation:** (AMSL) (m)  
  - **Lithologic Description:**
    - 14.9 741.5 Clay Yellow
    - 28.4 728.1 Clay Silty Blue
    - 39.6 716.8 Clay Sandy Blue
    - 42.4 714.1 Clay & Sand Blue
    - 44.2 712.2 Clay Blue
    - 49.1 707.4 Sand
    - 71.9 684.5 Clay Soft Blue
    - 73.5 683.0 Clay & Boulders
    - 76.2 680.2 Clay Hard Blue
    - 77.1 679.3 Shale Green
    - 77.7 678.7 Shale Sandy Gray
    - 80.2 676.3 Shale Green
    - 85.0 671.4 Shale Sandy Gray
    - 85.6 670.8 Shale Green
    - 86.9 669.6 Shale Sandy Gray
    - 87.5 669.0 Shale Brown
    - 89.6 666.8 Shale Green
    - 91.4 665.0 Shale Sandy Gray
    - 92.7 663.8 Shale Green
    - 96.3 660.1 Shale Sandy Gray
    - 97.2 659.2 Shale Gray

### Electric Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H
  - **AEP Data:** Yes
  - **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 17-053-01 W5M**

**Well Owner:** Crayne, Phil  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Well Number:** 07350  
**Licence No.:** 412703

**Elevation (AMSL) (m):** 768  
**AEP:** 58,516.63

**Date Started:** 20 Nov 95  
**Date Completed:** 21 Nov 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 35.4  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casings:
- **Type:** Plastic  
- **Depth (m):** 46.9  
- **Bottom (m):** 46.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:
- **Material:** ST  
- **OD (mm):** 1.5  
- **from (m):** 46.9 to 48.5  
- **Thickness (mm):** 0.01

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** McDonald  
- **Intake (m):** 47.9

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 39.9  
- **Drawdown (m):** 4.6  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel (µS/cm):**  
- **TNK:**  
- **Selenium (µS/cm):**  
- **Vanadium (µS/cm):**  
- **Total Hardness (µS/cm):**  
- **Amm. Nitrogen (µS/cm):**  
- **Bicarbonate (µS/cm):**  
- **Chloride (µS/cm):**  
- **Aluminum (µS/cm):**  
- **Total Alkalinity (µS/cm):**  
- **Barium (µS/cm):**  
- **Lead (µS/cm):**  
- **Beryllium (µS/cm):**  
- **Nitrate (µS/cm):**  
- **Chromium (µS/cm):**  
- **Strontium (µS/cm):**  
- **Iron (µS/cm):**  
- **Nitrite (µS/cm):**  
- **Cadmium (µS/cm):**  
- **Molybdenum (µS/cm):**  
- **Calcium (µS/cm):**  
- **Total Phosphate (µS/cm):**  
- **Magnesium (µS/cm):**  
- **Silicate (µS/cm):**  
- **Pump Intake (µS/cm):**  
- **Model:**  
- **Testing (µS/cm):**  
- **TOC:**  
- **Manganese:**  
- **Dissolved Organic Carbon (µS/cm):**  
- **Bicarbonate (µS/cm):**  
- **Phosphate (µS/cm):**  
- **Calcium (µS/cm):**  
- **Zinc (µS/cm):**  
- **Barium (µS/cm):**  
- **Nitrate (µS/cm):**  
- **Magnesium (µS/cm):**  
- **Beryllium (µS/cm):**  
- **Cadmium (µS/cm):**  
- **Lead (µS/cm):**  

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Yes:** Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 17-053-01 W5M**

**Well Owner:** Shultis, Ken/Deb

**Drilling Contractor:** Unknown Driller

**Well Number:** 07351

**Elevation (AMSL) (m):** 768

**AEP:** 364861

**Date Started:**

**Date Completed:**

**Well Use:** Domestic

**Licence No.:**

**Easting:** 58,383.57

**Northing:** 5,934,868.50

**No Lithologic Information Available**

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**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
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<th>Depth Elevation</th>
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<td>Date Completed: 14 Aug 95</td>
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<td>Easting: 59,522.14</td>
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### General:
- **Well Number:** 07353
- **Well Owner:** Janzen, Randall
- **Drilling Contractor:** Summers, David Drilling
- **Elevation (AMSL) (m):** 760
- **AEP:** 361708
- **Licence No.:** Easting: 59,224.41
- **Date Started:** 31 Jul 91
- **Date Completed:** 31 Jul 91
- **Well Use:** Drilling
- **Drilling Method:** Rotary
- **Completed Depth:** 50.3 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

### Lithologic Description
- **Type:** Plastic
- **Depth (m):** 50.3
- **Bottom (m):** 50.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 18.3

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 48.8 to 50.3
- **Size:** 0.01

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Jacuzzi 13 St
- **Intake (m):** 33.5

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 180.0
- **Level End (m):** 27.4
- **Drawdown (m):** 6.1
- **Rec’d intake (m):** 33.5
- **Rec’d Rate (lpm):** 68.4

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Phosphate:**
- **Cadmium:**
- **Copper:**
- **Lead:**
- **Nitratre&Nitrite:**

### Remarks:
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Printed on 2/20/98*
**SW 17-053-01 W5M**

**Well Owner:** Brown, Ray  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 760  
**AEP:** 364904  
**Licence No.:** Easting: 58,205.80  
**Date Started:** 26 Feb 92  
**Northing:** 5,933,832.50  
**Date Completed:** 27 Feb 92

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 110.3 (m)  
- **NPWL (m):** 41.2  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 82.3  
- **Bottom (m):** 82.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Type:** Shale Trap & Bentoni  
- **Seal from (m):**  
- **To (m):** 82.3

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 80.8  
- **Bottom (m):** 110.3  
- **Perforated How:** Other  
- **from (m):** 91.4  
- **To (m):** 109.7  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **To (m):**  
- **Size:**

**Open Hole:**
- **from (m):**
- **To:**

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 18.2  
- **Time (minute):** 240.0  
- **Level End (m):** 90.5  
- **Drawdown (m):** 49.4  
- **Rec'd Intake (m):**  
- **Rec'd Rate (lpm):**

---

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**AEP Data:** Yes  
**Database:** 1.000H  
**Well Field Verified:** No

printed on 2/20/98
**Well Number: 07355**

**SW 17-053-01 W5M**

**Well Owner:** Ervin, Lou  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 764  
**AEP:** 355616  
**Licence No.:**  58,160.90  
**Date Started:** 20 Oct 90  
**Northing:** 5,933,927.00  
**Date Completed:** 22 Oct 90

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<tr>
<td><strong>Completed Depth:</strong> 109.7 (m)</td>
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<td></td>
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<tr>
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<td><strong>to 109.7</strong></td>
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<td><strong>to</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>to</strong></td>
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<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**AEP Data:** Yes

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 m
  - NPWL (m): 27.1
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - Type: Galvanized Steel
  - Depth (m): 71.3
  - Bottom (m): 71.3
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Seal Type: Driven
  - from (m): to 71.3
- **Liner:**
  - Type:
  - OD (mm): 88.9
  - Thickness (mm):
  - Top (m): Bottom (m): 85.3
- **Perforated How:** Torch
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:
- **Screen:**
  - Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:
- **Open Hole:**
  - from (m): to
- **Pump:** Sub
  - Model:
  - Intake (m):
- **Testing:**
  - Rate (lpm): 36.5
  - Time (minute): 420.0
  - Level End (m): 51.8
  - Drawdown (m): 24.7
  - Rec'd intake (m): 54.6
  - Rec'd Rate (lpm):

### Lithologic Description

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<td>676.2</td>
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<td>85.3</td>
<td>674.7</td>
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### Laboratory

- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminum**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **pH (pH unit)**
- **SAR**
- **TDS**
- **TKN**
- **Sodium**
- **Nitrate**
- **Strontium**
- **Calcium**
- **Molybdenum**
- **Vanadium**
- **Zinc**
- **Zinc**
- **DIC**
- **Amm. Nitrogen**
- **Cadmium**
- **Beryllium**
- **Manganese**
- **Phosphate**
- **Cadmium**
- **Iron**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **Open Hole:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:
- **Perforated How:** Torch
  - from (m): to Size:
  - from (m): to Size:
- **Screen:**
  - Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:
- **Open Hole:**
  - from (m): to
- **Pump:** Sub
  - Model:
  - Intake (m):
- **Testing:**
  - Rate (lpm): 36.5
  - Time (minute): 420.0
  - Level End (m): 51.8
  - Drawdown (m): 24.7
  - Rec'd intake (m): 54.6
  - Rec'd Rate (lpm):

### Electric Log
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
  - Well Field Verified: No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 128.0 (m)
- **NPWL (m):** 53.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 85.3
- **Bottom (m):** 85.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 85.3

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 82.3
- **Bottom (m):** 127.1
- **Perforated How:** Machine
- **from (m):** 82.3 to 127.1

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 91.4

**Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 85.3
- **Drawdown (m):** 32.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

---

**Depth Elevation**

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<td>117.0</td>
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<td>128.0</td>
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**Electric Log:** Yes  **Transmissivity:** m²/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 108.7 m
- **NPWL (m):** 42.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 86.9
- **Bottom (m):** 86.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 86.9

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 85.0
- **Bottom (m):** 108.8
- **Perforated How:** Saw
- **from (m):** 86.9 to 108.8
- **Size:**
- **from (m):** to 108.8
- **Size:**
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Jacuzzi
- **Intake (m):** 79.2

**Testing:**
- **Rate (lpm):** 16.0
- **Time (minute):** 120.0
- **Level End (m):** 70.1
- **Drawdown (m):** 27.4
- **Rec'd intake (m):** 79.2
- **Rec'd Rate (lpm):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **ph (pH unit):**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Cadmium:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**SW 17-053-01 W5M**

**Well Owner:** Sorensen, Ole/Verna  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m): 768**  
**AEP:** 356905  
**Date Started:**  
**Date Completed:**

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**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth** (m)  
  - NPWL (m):  
  - Verified NPWL (m):  
- **Abandonment:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:**  
  - **from (m):** to  
- **Liner:**
  - **Type:**  
  - **OD (mm):** Thickness (mm):  
  - **Top (m):** Bottom (m):  
  - **Perforated How:**  
  - **from (m):** to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  
- **Screen:**
  - **Material:**  
  - **OD (mm):**  
  - **from (m):** to Size:  
  - **from (m):** to Size:  
  - **from (m):** to Size:  
- **Open Hole:**
  - **from (m):** to  
- **Pump:**
  - **Model:**  
  - **Intake (m):**  
- **Testing:**
  - **Rate (lpm):** Time (minute):  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

**Laboratory:**
- **pH (pH unit):** COD  
  - Mercury  
- **Cond. (µS/cm):** SAR  
  - Nickel  
- **TDS:** TKN  
  - Selenium  
- **Sodium:** Nitrate  
  - Strontium  
- **Potassium:** Nitrite  
  - Molybdenum  
- **Calcium:** TN  
  - Vanadium  
- **Magnesium:** TC  
  - Zinc  
- **Carbonate:** DIC  
  - Hydroxide  
- **Bicarbonate:** Arsenic  
  - Total Hardness  
- **Aluminium:** Barium  
  - Manganese  
- **Sulphate:** Beryllium  
  - Phosphate  
- **Chloride:** Cadmium  
  - Ion Balance  
- **Fluoride:** Chromium  
  - Amm. Nitrogen  
- **Iron:** Cobalt  
  - Total Phosphate  
- **TOC:** Copper  
  - Total Alkalinity  
- **Silica:** Lead  
  - Nitrate&Nitrite N  
  - Chemical Constituents are in mg/l (ppm). Except as noted.  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**WH 17-053-01 W5M**

**Well Number:** 07360

**Well Owner:** Birchland Builders

**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 757

**AEP:** 443251

**Licence No.:**

**Easting:** 58,349.75

**Date Started:** 01 Nov 94

**Northing:** 5,934,504.00

**Date Completed:** 03 Nov 94

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.5 (m)
- **NPWL (m):** 39.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 50.0
- **Bottom (m):** 50.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 41.2

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Thickness (mm):
- **Perforated How:** from (m): to Size:
- **Size:** from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 50.0 to 51.5
- **Size:** 0.02
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
- **Model:**
- **Intake (m):** 48.8

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 44.2
- **Drawdown (m):** 4.6
- **Rec'd intake (m):** 48.8
- **Rec'd Rate (lpm):** 36.5

### Laboratory:
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<td>SAR</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Database:** Yes
- **Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown

### Casing:
- **Type:**
  - Depth (m):
  - OD (mm):
- **Seal Type:**
  - from (m):
  - to

### Liner:
- **Type:**
  - OD (mm):
  - Top (m):
- **Perforated How:**
  - from (m):
  - to
  - Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:

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### Electric Log:
- **Yes**
- **Transmissivity:** m²/day

### Gamma Log:
- **Yes**
- **Storativity:**

### Aquifer Test:
- **No**

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**0736101-18-053-01 W5M**

**Well Owner:** Alta Env #1450e

**Drilling Contractor:** Alberta Environment/Earth Sciences Div

**Elevation (AMSL) (m):** 765

**Licence No.:** 76S

**Easting:** 57,763.30

**Northing:** 5,933,880.00

**Date Started:** 09 Jul 75

**Date Completed:**

---

### Depth Elevation

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<td>Clay &amp; Sand Interbedded</td>
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<td>Clay &amp; Coal Interbedded</td>
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<td>79.2</td>
<td>Sandstone Fine Grained</td>
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<td>82.9</td>
<td>Shale &amp; Sandstone Interbedded</td>
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**PFRA Project:** 1.000H

---

**Printed on:** 2/20/98
**NE 18-053-01 W5M**

**Well Owner:** Binks, Dennis  
**Drilling Contractor:** Summer’s Drilling Ltd.

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 100.6 (m)  
  - NPWL (m): 27.4  
  - Verified NPWL (m):  
- **Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 79.2  
- **Bottom (m):** 79.2  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Drive Shoe  
- **from (m):** to 79.2

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 76.2  
- **Bottom (m):** 100.6  
- **Perforated How:** Machine  
- **from (m):** 88.4 to 100.6  
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Jacuzzi  
- **Model:** 18 Stage  
- **Intake (m):** 64.0

**Testing:**
- **Rate (lpm):** 31.9  
- **Time (minute):** 240.0  
- **Level End (m):** 64.0  
- **Drawdown (m):** 36.6  
- **Rec’d Rate (lpm):** 27.4

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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<td>mg/l</td>
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<tr>
<td>Nitrite Nitrates</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
Well Number: **07364**

**NE 18-053-01 W5M**

**Well Owner:** Paul, Cathy  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 764  
**AEP:** 364230

**Date Started:** 13 Apr 92  
**Date Completed:** 14 Apr 92

**Licence No.:** Easting: 57,257.13  
**Northing:** 5,934,905.00

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 73.2 (m)  
  **NPWL (m):** 38.1  
  **Verified NPWL (m):**  
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 68.3  
    **Bottom (m):** 68.3  
  - **OD (mm):** 141.2  
    **Thickness (mm):** 0.1  
  - **Seal Type:** from (m):  
    **to:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 68.3  
  **Bottom (m):** 68.3
- **OD (mm):** 141.2  
  **Thickness (mm):** 0.1
- **Seal Type:** from (m):  
  **to:**

**Liner:**
- **Type:** from (m):  
  **to:**
- **OD (mm):** 1.2
- **Thickness (mm):** from (m): 68.3  
  **to:** 69.8  
  **Size:** 0.01
- **Seal Type:** from (m):  
  **to:**

**Screen:**
- **Material:** St
- **OD (mm):** 68.3  
  **to:** 69.8  
  **Size:** 0.01
- **Seal Type:** from (m):  
  **to:**

**Open Hole:**
- **from (m):**  
  **to:**

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** 63.9  
  **Time (minute):** 420.0
- **Level End (m):** 39.6  
  **Drawdown (m):** 1.5
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbomate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Total Phosphate:**

**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 18-053-01 W5M**

**Well Owner:** Fochler, Sandra  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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<th>AEP: 355963</th>
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**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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<th>Completed Depth 68.6 (m)</th>
<th>NPWL (m): 36.6</th>
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**Casing:**  
- **Type:** Plastic
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**  
- **Type:** St
- **OD (mm):** 1.2  
- **Bottom (m):** 61.0  
- **Thickness (mm):** 0.01
- **Perforated How:** from (m): to
- **Size:** from (m): to
- **Top (m):** 62.5
- **Size:** from (m): to

**Screen:**  
- **Material:** St  
- **OD (mm):** 1.2  
- **Bottom (m):** 61.0  
- **Size:** 0.01
- **Thickness (mm):** from (m): to
- **Top (m):** 62.5
- **Size:** from (m): to

**Open Hole:**  
- **from (m): to**
- **Pump:**  
  - **Model:**
  - **Intake (m):**
  - **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
  - **Level End (m):** 42.7
  - **Drawdown (m):** 6.1
  - **Rec’td intake (m):**

**Laboratory:**  
- pH (pH unit)  
- Cond. (µS/cm)  
- TDS  
- Sodium  
- Potassium  
- Calcium  
- Magnesium  
- Carbonate  
- Bicarbonate  
- Aluminium  
- Sulphate  
- Chloride  
- Fluoride  
- Iron  
- TOC  
- Silica  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Lithologic Description:**  
- **Depth**  
- **Elevation (BGL) (AMSL)**  
- **Lithologic Description**

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<td>40.2</td>
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<td>68.6</td>
<td>689.8</td>
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**Piezometric Test:**  
- Electric Log: No  
- Gamma Log: No  
- Aquifer Test: No  
- Permeability: 1000H  
- Project: Database: 1000H  
- AEP Data: Yes  
- Well Field Verified: No
NW 18-053-01 W5M

Well Owner: Kelder, John

Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 07366

Elevation (AMSL) (m): 749

AEP: 351057

Licence No.: 56.436.62

Date Started: 18 Jan 90

Easting: 5,934,531.50

Date Completed: 20 Jan 90

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

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<td>96.6</td>
<td>652.0</td>
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<td>102.1</td>
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<td>Shale Gray</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 18-053-01 W5M**

**Well Owner:** Manko, Peter  
**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number 07367**

**Elevation (AMSL) (m):** 758  
**AEP:** 359720  
**Licence No.:** 56,841.34  
**Date Started:** 29 Jul 91  
**Date Completed:** 30 Jul 91

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 71.6 (m)  
  **NPWL (m):** 39.6  
  **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 66.8  
  **Bottom (m):** 66.8  
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1  
- **Seal Type:** Sand Pack  
- **from (m):** to 66.8  

### Liner:
- **Type:**  
- **OD (mm):**  
  **Thickness (mm):**  
- **Top (m):**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 66.8  
  **to 68.3**  
  **Size:** 0.01  
- **from (m):** to  
- **Open Hole:**
  - **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 68.4  
  **Time (minute):** 180.0  
- **Level End (m):** 45.7  
  **Drawdown (m):** 6.1  
- **Rec'd intake (m):**  
  **Rec'd Rate (lpm):** 45.6

---

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitite N:**

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

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**Database:** 1.000H  
**Project:**  
**Aquifer Test:** No  
**Electric Log:** No  
**Gamma Log:** No  
**Transmissivity:** m²/day  
**Storativity:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**Well Number 07368**

**Well Owner:** Monahan, Earl  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 761  
**Licence No.:** AEP: 356907  
**Date Started:**  
**Date Completed:**

---

### General

- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic

**Completed Depth:** 63.4 (m)  
**NPWL (m):**  
**Verified NPWL (m):**

**Abandonment:**

**Casing**

- **Type:**  
- **Depth (m):**  
- **Bottom (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to

**Liner**

- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Screen**

- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Open Hole**

- **from (m):** to

**Pump**

- **Model:**
- **Intake (m):**

**Testing**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**

- **Mercury:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Amm. Nitrogen:**
- **Phosphate:**
- **Ion Balance:**
- **Chromium:**
- **Nickel:**
- **Copper:**
- **Lead:**
- **TotalHardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Amm. Nitrogen:**
- **Phosphate:**
- **Ion Balance:**

**Not Applicable**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:**  
**AEP Data:** Yes  
**Well Field Verified:** No

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.6 (m)
- **NPWL (m):** 42.7
- **Verifed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 57.9
- **Bottom (m):** 57.9
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **Size:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 57.9 to 59.1
- **Size:** 0.01
- **from (m):** to
- **Size:**
- **Open Hole:**
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 48.8
- **Drawdown (m):** 6.1
- **Rec'd Rate (lpm):**
- **Rec'd Intake (m):**

### Laboratory:

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<th>Unit</th>
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</tr>
<tr>
<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate &amp; Nitrite N</td>
<td></td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:**
- **Database:** 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 18-053-01 W5M**

**Well Owner:** Bellhouse, Jim  
**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number:** 07370  
**Elevation (AMSL) (m):** 770  
**AEP:** 369223  
**Easting:** 57,800.42  
**Date Started:** 02 Apr 93  
**Northing:** 5,934,046.00  
**Date Completed:** 03 Apr 93

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 67.1 (m)  
**NPWL (m):** 45.7  
**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 57.9  
- **Bottom (m):** 57.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven

**from (m):** to 67.1

### Liner:
- **Type:**  
- **OD (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**

**from (m):** to **Size:**

**from (m):** to **Size:**

**from (m):** to **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 57.9  
- **to 59.4**  
- **Size:** 0.01

**from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 59.4

### Testing:
- **Rate (lpm):** 13.7  
- **Time (minute):** 240.0  
- **Level End (m):** 54.9  
- **Drawdown (m):** 9.1

**Rec'd Intake (m):** 54.9  
**Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Beryllium:** Manganese  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No  
**Transmissivity:** m³/day  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project:** Database: 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
SE 18-053-01 W5M

Well Owner: Brule, E/Heighton, Ralph
Drilling Contractor: Parky’S Consolidated Ltd.

Well Number 07371
Elevation (AMSL) (m): 767
AEP: 365293
Licence No.: Easting: 57,797.45
Date Started: 04 Sep 75 Northing: 5,935,746.00
Date Completed: 05 Sep 75

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 54.9 (m)
NPWL (m): 41.2 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 54.9 Bottom (m): 54.9
OD (mm): 114.3 Thickness (mm):
Seal Type: Puddled Clay
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm):
from (m): 52.4 to 54.9 Size: 0.01
from (m): to Size:

Open Hole:

from (m): to

Pump:
Model: Intake (m): 50.3

Testing:
Rate (lpm): 22.8 Time (minute): 180.0
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**SE 18-053-01 W5M**

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<th>Well Owner: Harrison, Robert</th>
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<tbody>
<tr>
<td>Drilling Contractor: McGinn, Gerald Drilling Ltd.</td>
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<td>Easting: 57,237.55</td>
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<td>Northing: 5,934,156.00</td>
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<tr>
<td>Date Started: 27 Nov 90</td>
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<tr>
<td>Date Completed: 28 Nov 90</td>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.6 (m)
- **NPWL (m):** 39.6
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 63.4
- **Bottom (m):** 63.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
  - OD (mm):
    - Top (m):
    - Bottom (m):
- **Perforated How:**
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:
- **Material:** St
- **OD (mm):** 0.9
  - from (m): 63.4
to 64.9
  - Size: 0.02
- **Open Hole:**
  - from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 42.7
- **Drawdown (m):** 3.1
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Sulfate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Laboratory: Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **Abandonment:** Bentonite Product 28 Jun 92

### Casing:
- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
    - from (m): to

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):

### Lithologic Description
(No Lithologic Information Available)

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<th>Mercury</th>
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<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
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<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<td>TC</td>
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<td>Arsenic</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</table>

### Electric Log: No  Transmissivity: m³/day
### Gamma Log: No  Storativity:
### Aquifer Test: No  Project: Database: **1.000H**
### AEP Data: Yes  Well Field Verified: No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.9 m
- **NPWL (m):** 29.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 59.7
- **Bottom (m):** 59.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 6.1 to 34.4

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 60.0 to 61.6
- **Size:** 0.01
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 57.9

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 360.0
- **Level End (m):** 57.9
- **Drawdown (m):** 28.4
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on 2/20/98**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 m
- **NPWL (m):** 51.8
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 91.4
- **Bottom (m):** 91.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 90.8 to 91.4

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 88.4
- **Bottom (m):** 103.6
- **Perforated How:** Hand Drill
- **from (m):** 92.4 to 102.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 103.6

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 480.0
- **Level End (m):** 88.4
- **Drawdown (m):** 36.6
- **Rec'd intake (m):** 88.4
- **Rec'd Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Manganese:** Sulphate
- **Beryllium:** Chloride
- **Cadmium:** Fluoride
- **Chromium:** Iron
- **Cobalt:** TOC
- **Copper:** TOC
- **Lead:** Silica
- **Nitrate:** Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 18-053-01 W5M**

**Well Owner:** Mattice, Ken/Jennifer  
**Drilling Contractor:** D&D Water Well Drilling & Services  
**Elevation (AMSL) (m):** 767  
**AEP:** 379521  
**Licence No.:**  
**Date Started:** 27 Apr 94  
**Easting:** 57,417.25  
**Date Completed:** 27 Apr 94  
**Northing:** 5,834,366.50

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 59.4 (m)  
- **NPWL (m):** 37.8  
- **Verified NPWL (m):**  
- **Abandonment:**  
  - **Type:** Plastic  
  - **Depth (m):** 56.4  
  - **Bottom (m):** 56.4  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Bentonite Chips/Tabl  
  - **from (m):**  
  - **to:** 56.4  
- **Liner:**  
  - **Type:**  
  - **OD (mm):**  
  - **Thickness (mm):**  
  - **Top (m):**  
  - **Bottom (m):**  
  - **Perforated How:**  
    - **from (m):**  
    - **to:**  
    - **Size:**  
  - **Screen:**  
    - **Material:** St  
    - **OD (mm):** 1.5  
    - **from (m):** 56.4  
    - **to:** 57.9  
    - **Size:** 0.01  
    - **from (m):**  
    - **to:**  
- **Open Hole:**  
  - **from (m):**  
  - **to:**  
- **Pump:**  
  - **Model:**  
  - **Intake (m):** 57.9  
  - **Testing:**  
    - **Rate (lpm):**  
    - **Time (minute):** 120.0  
    - **Level End (m):** 30.5  
    - **Drawdown (m):** 7.3  
    - **Rec'd intake (m):** 45.7  
    - **Rec'd Rate (lpm):** 22.8

### Lithologic Description:
- **Depth (m):**  
- **Elevation (BGL) (m):**  
- **Lithologic Description:**  
  - 20.7 746.4 Clay Sandy Yellow  
  - 24.7 742.5 Clay Blue  
  - 28.4 738.8 Sand Silty  
  - 36.0 731.2 Clay Blue  
  - 52.1 715.1 Sand Silty  
  - 57.9 709.3 Sand & Coal  
  - 59.4 707.7 Clay Blue

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Nitrate:** Strontium  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Old Well-Test
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 56.4 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Puddled Clay 04 Oct 95

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m): 
  - **OD (mm):** Thickness (mm): 
  - **Seal Type:** from (m): to 

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm): 
  - **Top (m):** Bottom (m): 
  - **Perforated How:** from (m): to Size: 

### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size: 
  - **Thickness (mm):** from (m): to Size: 

### Open Hole:
- **from (m):** to 

### Pump:
- **Model:** Intake (m): 
- **Testing:** Rate (lpm): Time (minute): 
  - **Level End (m):** Drawdown (m): 
  - **Rec’d intake (m):** Rec’d Rate (lpm): 

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.00H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 07378**

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<th>Well Owner: Fletcher, B./Hawken, G.</th>
<th>Elevation (AMSL) (m): 740</th>
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<tr>
<td>Drilling Contractor: Cobob Pumps And Services Ltd.</td>
<td>AEP: 418065</td>
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**Well Number:** SW 18-053-01 W5M

**Licence No.:**

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<th>Date Started: 29 Sep 95</th>
<th>Easting: 56,389.51</th>
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<tr>
<td>Date Completed: 04 Oct 95</td>
<td>Northing: 5,934,376.50</td>
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---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

- **Completed Depth:** 97.5 (m)
- **NPWL (m):** 31.7
- **Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 73.2
  - **Bottom (m):** 73.2
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 68.6
  - **to:** 73.2

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
    - **Thickness (mm):** 0.1
- **Top (m):** 70.1
  - **Bottom (m):** 97.5

**Perforated How:** Machine
- **from (m):** 76.2
  - **to:** 94.5
  - **Size:**
- **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):**
      - **to:** Size:
    - **from (m):**
      - **to:** Size:

**Open Hole:**
- **from (m):**

**Pump:** Sub
- **Model:** Gould 5g07
- **Intake (m):** 67.1

**Testing:**
- **Rate (lpm):** 13.7
  - **Time (minute):** 120.0
- **Level End (m):** 67.1
  - **Drawdown (m):** 35.4
- **Rec’d Rate (lpm):** 13.7
  - **Rec’d intake (m):**

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrates:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
Well Number: 07379

**Well Owner:** Wendel, Jerry

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 761

**Licence No.:** 418250

**Date Started:** 04 Jul 73

**Date Completed:**

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 56.4 (m)
  - NPWL (m): 39.6
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
  - **Depth (m):** 49.1
  - **Bottom (m):** 49.1
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
  - from (m): to

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Screen:**
- **Material:** St
  - **OD (mm):** 0.9
  - **from (m):** 49.1 to 50.3
  - **Size:** 0.01
- **Open Hole:**
  - from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 480.0
- **Level End (m):** Drawdown (m): 25.9
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**

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<td>Silica</td>
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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Depth Elevation (BGL) (AMSL)**

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**Lithologic Description**

- Clay Yellow
- Clay & Rocks Blue
- Clay & Sand Blue

---

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:**

**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation
- **Completed Depth:** 85.3 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Thickness (mm):** Size:
- **Bottom (m):**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Top (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** KTN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbohydrate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Nitrates:** Mercury
- **COD:** Nickel
- **TDS:** Selenium
- **Sodium:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbohydrate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Aluminum:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No

### Project:
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
## NW 19-053-01 W5M

**Well Owner:** Duffy, Frank  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

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<td><strong>Date Completed:</strong></td>
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<td><strong>Northing:</strong></td>
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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** 53.0  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casings:
- **Type:** Plastic  
- **Depth (m):** 59.1  
- **Bottom (m):** 59.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** 6.1  
- **to:** 27.4

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Perforated How:**  
- **from (m):**  
- **Size:**  
- **to:**  
- **from (m):**  
- **Size:**  
- **from (m):**  
- **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 59.4  
- **to:** 61.0  
- **Size:** 0.01  
- **from (m):**  
- **Size:**  
- **from (m):**  
- **Size:**

### Open Hole:
- **from (m):**  
- **to:**  

### Pump:
- **Model:** Gould 5g0542z  
- **Intake (m):** 57.9

### Testing:
- **Rate (lpm):** 13.7  
- **Time (minute):** 180.0  
- **Level End (m):** 57.9  
- **Drawdown (m):** 7.3  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **Mercury:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Amm. Nitrogen:**
- **Aquifer Test:**
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

*Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.*
**NW 19-053-01 W5M**

Well Owner: **Haley, P.**
Drilling Contractor: **Cobob Pumps And Services Ltd.**

**Well Number 07382**

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<td>Date Completed:</td>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 67.1
- **Bottom (m):** 67.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
- **from (m):** 64.0 to 65.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 64.0
- **Bottom (m):** 91.4
- **Perforated How:** Saw
- **from (m):** 76.2 to 88.4
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Gould 5g07422
- **Intake (m):** 61.0

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 61.0
- **Drawdown (m):** 30.5
- **Rec’d Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Nitrre:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Iron:**
- **Bismuth:**
- **Total Phosphate:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Alkalinity:**
- **TOC:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Silica:**
- **Total Hardness:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
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<th>Depth Elevation (BGL) (AMSL) (m)</th>
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<td>9.1 745.7 Clay Brown</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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Water Well Positioned by PFRA in 10TM NAD 27
NW 19-053-01 W5M

Well Owner: Macdonald, Keith
Drilling Contractor: Cobob Pumps And Services Ltd.

Well Number 07384

Elevation (AMSL) (m): 757
AEP: 406435
Licence No.: 07384
Date Started: 21 Feb 95
Date Completed: 23 Feb 95
Easting: 56,874.68
Norting: 5,936,433.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 64.0 (m)
NPWL (m): 36.6 Verified NPWL (m):
Abandonment: Bentonite Product 28 Feb 95

Casing:
Type: Plastic
Depth (m): 62.5 Bottom (m): 62.5
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): 62.5 to 64.0 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Gould
Intake (m): 54.9

Testing:
Rec'd Rate (lpm): 91.2 Time (minute): 120.0
Level End (m): 54.9 Drawdown (m): 18.3
Rec'd intake (m): 57.9 Rec'd Rate (lpm): 68.4

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

printed on 2/20/98
Well Number: 07386

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 26.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 58.5
- **Bottom (m):** 58.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 55.5
- **to:** 58.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 67.1
- **Perforated How:** Machine
- **from (m):** 59.4
- **to:** 65.5
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:** Sub
- **Model:** Gould
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 205.2
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 22.3
- **Rec'd Rate (lpm):** 91.2

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate & Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL):**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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<td>736.0</td>
<td>Clay Brown</td>
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<tr>
<td>45.4</td>
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<td>47.2</td>
<td>705.8</td>
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<td>56.1</td>
<td>697.0</td>
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<td>59.1</td>
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<td>64.9</td>
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</tr>
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<td>67.1</td>
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<td>Shale Gray</td>
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</table>

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** NW 19-053-01 W5M

**Well Owner:** Von Muyden, P.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 753
- **AEP:** 390455
- **Licence No.:** Easting: 56,704.04
- **Date Started:** 08 Aug 94
- **North: 5,936,416.00**
- **Date Completed:** 10 Aug 94

**Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Printed on:** 2/20/98
## General:

- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 54.9 (m)
- **NPWL (m)**: 44.2
- **Verified NPWL (m)**: 
- **Abandonment**: 

## Casting:

- **Type**: Plastic
- **Depth (m)**: 53.3
- **Bottom (m)**: 53.3
- **OD (mm)**: 127.0
- **Thickness (mm)**: 0.1
- **Seal Type**: Bentonite Chips/Tabl
- **from (m)**: to 48.8

## Liner:

- **Type**: Sub
- **OD (mm)**: 
- **Thickness (mm)**: 
- **Top (m)**: 
- **Bottom (m)**: 
- **Perforated How**: 
- **from (m)**: to 
- **Size**: 
- **from (m)**: to 
- **Size**: 
- **from (m)**: to 
- **Size**: 

## Screen:

- **Material**: St
- **OD (mm)**: 1.2
- **from (m)**: to 53.3
- **Size**: 0.01
- **to**: 54.9
- **from (m)**: to 
- **Size**: 
- **Open Hole**: 
- **from (m)**: to 

## Pump:

- **Model**: Intake (m): 51.8
- **Rate (lpm)**: 45.6
- **Time (minute)**: 120.0
- **Level End (m)**: 51.8
- **Drawdown (m)**: 7.6
- **Rec'd intake (m)**: 51.8
- **Rec'd Rate (lpm)**: 27.4

## Laboratory:

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<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Cadmium</td>
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</tr>
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<tr>
<td>DIC</td>
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<td>Hydroxide</td>
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<td>Ion Balance</td>
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<td>Nitrate &amp; Nitrite</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

## Electric Log:

- **No**

## Gamma Log:

- **No**

## Aquifer Test:

- **No**

## Database:

- **1.000H**

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on**: 2/20/98

**Well Number**: 07387

**Elevation (AMSL) (m)**: 772

**AEP**: 443252

**Easting**: 57,724.76

**Licence No.**: Easting:

**05 Nov 94**

**Elevating**: 5,935,739.50

**05 Nov 94**

**Drilling Contractor**: Summers, David Drilling

**Well Owner**: Birchland Builders

**Well Number**: SE 19-053-01 W5M
Well Owner: Clarke, Perry
Drilling Contractor: D&D Water Well Drilling & Services

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 65.5 (m)
NPWL (m): 44.5 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 61.6 Bottom (m): 61.6
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 48.8

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): 61.6 to 63.1 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 63.1

Testing:
Rate (lpm): 68.4 Time (minute): 120.0
Level End (m): 49.7 Drawdown (m): 5.2
Rec'd intake (m): 54.9 Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Number 07388
Elevation (AMSL) (m): 770
AEP: 404863
 Licence No.: Easting: 57,466.44
Date Started: 07 Dec 94 Northing: 5,935,970.50
Date Completed: 07 Dec 94

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m) (m)
22.3 747.3 Clay Sandy Yellow
45.4 724.1 Sand
50.0 719.6 Clay Blue
64.3 705.2 Sand
65.5 704.0 Clay Blue

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 19-053-01 W5M**

**Well Owner:** Johnston, Raymond  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 110.3 m  
- **NPWL (m):** 43.6  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 78.0  
- **Bottom (m):** 78.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven & Bentonite  
- **from (m):** to 78.0

**Liner:**
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 76.8  
- **Bottom (m):** 110.3  
- **Perforated How:** Saw  
- **from (m):** to 110.3  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):** 110.3  
- **Rate (lpm):** 11.4  
- **Time (minute):** 480.0  
- **Level End (m):** 85.3  
- **Drawdown (m):** 41.8  
- **Rec’d intake (m):** 94.5  
- **Rec’d Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** Selenium  
- **Sodium:** Strontium  
- **Nitrate:** Molybdenum  
- **Potassium:** Vanadium  
- **Calcium:** Zinc  
- **Magnesium:** Hydroxide  
- **Carbonate:** Total Hardness  
- **Bicarbonate:** Manganese  
- **Aluminium:** Phosphate  
- **Barium:** Ion Balance  
- **Sulphate:** Amm. Nitrogen  
- **Beryllium:** Copper  
- **Chloride:** Total Phosphate  
- **Cadmium:** Total Alkalinity  
- **Fluoride:** Nitrate&Nitrite N  
- **Iron:** Total Hardness  
- **TOC:** Total Alkalinity  
- **Silica:** Lead  
- **Laboratory:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**
- **(BGL) (AMSL):**
  - **(m) (m):**
    - **Lithologic Description:**
      - 20.7 722.0 Clay Sandy Yellow  
      - 63.4 679.3 Sand  
      - 68.0 674.7 Clay Blue  
      - 75.3 667.4 Sandstone  
      - 80.5 662.2 Shale Green  
      - 84.1 658.6 Sandstone  
      - 93.3 649.4 Shale Gray  
      - 94.2 648.5 Shale & Coal Brown  
      - 99.7 643.0 Shale Gray  
      - 103.0 639.7 Shale & Coal Brown  
      - 107.0 635.7 Sandstone  
      - 110.3 632.4 Shale Gray

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 43.0
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 53.0
  - **Bottom (m):** 53.0
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
- **Seal Type:** Cuttings
  - from (m): to
- **Liner:**
  - **Type:**
    - from (m): to
    - Top (m): Bottom (m):
  - **Perforated How:** from (m): to
  - **Size:** from (m): to
- **Screen:**
  - **Material:** St
  - from (m): to
  - **OD (mm):** 1.2
  - **Thickness (mm):** from (m): to 54.3
  - **Size:** from (m): to 0.01
- **Open Hole:** from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 45.6
  - **Time (minute):** 180.0
  - **Level End (m):**
  - **Rec'd Rate (lpm):**
  - **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- ** Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Molybdenum
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Total Phosphate:**
- **Total Alkalinity:**

### AEP Data:
- **Database:** 1.000H
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 m
- **NPWL (m):** 42.7
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 48.2
- **Bottom (m):** 48.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Cuttings
  - from (m): to 27.4

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:** St
- **OD (mm):** 1.5
  - from (m): 48.2 to 49.7
  - Size: 0.01
  - from (m): to Size:

## Open Hole:
- from (m): to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 180.0
- **Level End (m):** 42.7
- **Drawdown (m):**
- **Rec'd intake (m):** 47.2
- **Rec'd Rate (lpm):** 22.8

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:** m³/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**
- **Database:** 1.000H

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

Well Owner: **Lummerding, Terry**

Drilling Contractor: **D&D Water Well Drilling & Services**

**SE 19-053-01 W5M**

Well Number: **07391**

**Elevation (AMSL) (m):** 770

**AEP:** 373929

**Licence No.:**

**Easting:** 57,844.59

**Date Started:** 19 Nov 93

**Northing:** 5,935,950.50

**Date Completed:** 19 Nov 93

**Cuttings:**

**St:** 1.5

**Intake (m):**

**Model:**

**Intake (m):**

**Sulphate:**

**Beryllium:**

**Phosphate:**

**Chloride:**

**Cadmium:**

**Ion Balance:**

**Fluoride:**

**Chromium:**

**Amm. Nitrogen:**

**Iron:**

**Cobalt:**

**Total Phosphate:**

**TOC:**

**Copper:**

**Total Alkalinity:**

**Silica:**

**Lead:**

**Nitrate&Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 90.5 (m)
- **NPWL (m):** 20.4
- **Verifiked NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 55.2
- **Bottom (m):** 55.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonii
- **from (m):** to 55.2

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Bottom (m):** 90.5
- **Perforated How:** Saw
- **Top (m):** 53.3
- **from (m):** to 88.4
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 90.5
- **Rate (lpm):** 100.3
- **Time (minute):** 120.0
- **Level End (m):** 75.6
- **Drawdown (m):** 55.2
- **Rec'd intake (m):** 48.8
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Sulphate:**
- **Boron:**
- **Eisen:**
- **Bicarbonate:**
- **Sodium:**
- **Calcium:**
- **Magnesium:**
- **Lead:**
- **Nitrate:**
- **Silica:**
- **As:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ide:**
- **Bicarbonate:**
- **Sodium:**
- **Calcium:**
- **Magnesium:**
- **Lead:**
- **Nitrate:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27
**SW 19-053-01 W5M**

Well Owner: **Day, Cyril**

Drilling Contractor: **D&D Water Well Drilling & Services**

**Depth Elevation**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>23.2</td>
<td>724.7</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>47.9</td>
<td>700.0</td>
<td>Sand</td>
</tr>
<tr>
<td>61.9</td>
<td>685.9</td>
<td>Clay Sandy Blue</td>
</tr>
<tr>
<td>69.5</td>
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<td>75.3</td>
<td>672.5</td>
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<td>79.6</td>
<td>668.3</td>
<td>Sandstone</td>
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<td>82.0</td>
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<td>84.1</td>
<td>663.7</td>
<td>Sandstone</td>
</tr>
<tr>
<td>88.1</td>
<td>659.7</td>
<td>Shale Gray</td>
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<tr>
<td>89.6</td>
<td>658.2</td>
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<tr>
<td>91.7</td>
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<tr>
<td>93.3</td>
<td>654.6</td>
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<td>653.0</td>
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<td>96.0</td>
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<td>Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>97.5</td>
<td>650.3</td>
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**Laboratory:**

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<th>Value</th>
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<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>Barium</td>
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<td>Beryllium</td>
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<td>Copper</td>
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<tr>
<td>Lead</td>
<td>0.5</td>
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<tr>
<td>Mercury</td>
<td>0.5</td>
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<tr>
<td>Copper</td>
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<tr>
<td>Zinc</td>
<td>0.5</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 30.8
- **Verified NPWL:**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 62.2
- **Bottom (m):** 62.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Welded
- **from (m):** 62.2

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 61.0
- **Bottom (m):** 91.4

**Perforated How:** Other
- **from (m):** 9.1 to 73.2
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 600.0
- **Level End (m):** 48.8
- **Drawdown (m):** 18.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** Selenium
- **Sodium:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Aluminum:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead
- **TOC:** Lead
- **DIC:** Nitrate
- **Hydroxide:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) Lithologic Description**

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<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>12.5</td>
<td>723.1</td>
<td>Clay Sandy Yellow</td>
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<td>31.7</td>
<td>703.9</td>
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<td>37.2</td>
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<td>46.6</td>
<td>689.0</td>
<td>Sand</td>
</tr>
<tr>
<td>58.8</td>
<td>676.8</td>
<td>Clay Sandy Blue</td>
</tr>
<tr>
<td>66.4</td>
<td>669.2</td>
<td>Shale Green</td>
</tr>
<tr>
<td>71.9</td>
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<tr>
<td>74.4</td>
<td>661.2</td>
<td>Sandstone</td>
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<tr>
<td>78.3</td>
<td>657.3</td>
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<td>80.2</td>
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<td>85.0</td>
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<td>88.7</td>
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<td>Sandstone</td>
</tr>
<tr>
<td>91.4</td>
<td>644.2</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
  - from (m): to Size:  
  - from (m): to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH:**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Selenium:**  
- **Vanadium:**  
- **Niobium:**  
- **Lead:**  
- **Magnesium:**  
- **Calcium:**  
- **Total Hardness:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitrate:**  
- **Nitrite:**  
- **Total Ammonium:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitrate:**  
- **Nitrite:**  
- **Total Ammonium:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
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- **Total Ammonium:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitrate:**  
- **Nitrite:**  
- **Total Ammonium:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  

### Electric Log:
- **m³/day**  

### Gamma Log:
- **Storativity:**  

### Aquifer Test:
- **NO**  

### AEP Data:
- **Yes**  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
**SW 19-053-01 W5M**

**Well Owner:** Holmes, Herb  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 732  
**AEP:** 364740  
**Licence No.:** Easting: 56,927.65  
**Date Started:** 04 May 92  
**Norting:** 5,935,543.00  
**Date Completed:** 06 May 92

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<tr>
<th>General:</th>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth</strong> 91.4</td>
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<tr>
<td><strong>NPWL (m):</strong> 23.8</td>
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<td><strong>Casing:</strong></td>
<td><strong>Type:</strong> Plastic</td>
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<td><strong>Depth (m):</strong> 61.0</td>
<td><strong>Bottom (m):</strong> 61.0</td>
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<tr>
<td><strong>OD (mm):</strong> 152.4</td>
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<td><strong>Type:</strong></td>
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<td><strong>Material:</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>Level End (m):</strong> 67.1</td>
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<td><strong>Rec'd intake (m):</strong> 61.0</td>
<td><strong>Rec'd Rate (lpm):</strong> 45.6</td>
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**Laboratory:**

- **pH (pH unit):** COD, Mercury
- **Cond. (µS/cm):** SAR, Nickel
- **TDS:** TKN, Selenium
- **Sodium:** Nitrate, Strontium
- **Potassium:** Nitrite, Molybdenum
- **Calcium:** TN, Vanadium
- **Magnesium:** TC, Zinc
- **Carbonate:** DIC, Hydroxide
- **Bicarbonate:** Arsenic, Total Hardness
- **Aluminum:** Barium, Manganese
- **Sulphate:** Beryllium, Phosphorus
- **Chloride:** Cadmium, Ion Balance
- **Fluoride:** Chromium, Amm. Nitrogen
- **Iron:** Cobalt, Total Phosphate
- **TOC:** Copper, Total Alkalinity
- **Silica:** Lead, Nitrate & Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 137.2 m
- **NPWL (m):** 15.2
- **Verified NPWL (m):** 0.2
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 43.9
- **Bottom (m):** 43.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.2
- **Seal Type:** Cuttings
- **from (m):** to 40.8

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 43.9 to **45.4**
- **Size:** 0.01
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to **Intake (m):** 30.5

### Pump:
- **Model:**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 63.9

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Unknown
- **Completed Depth:** 103.6 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrate:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:

### Electric Log:
- **Yes**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number:** 07398

**Well Owner:** Alta Env #1914e

**Drilling Contractor:** Alberta Environment/Earth Sciences Divis

**Elevation (AMSL) (m):** 775

**AEP:** 360024

**Licence No.:** Easting: 59,209.51

**Date Started:** 25 Jul 79

**Northing:** 5,936,520.50

**Date Completed:** 25 Jul 79

**Well Number Position:** Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 07399

<table>
<thead>
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</tr>
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<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
</tr>
<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
</tr>
<tr>
<td>Well Use: <strong>Domestic</strong></td>
</tr>
<tr>
<td>Completed Depth: 64.3 (m)</td>
</tr>
<tr>
<td>NPWL (m): 48.5</td>
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<tr>
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<table>
<thead>
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<th>Castings:</th>
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<tbody>
<tr>
<td>Type: <strong>Plastic</strong></td>
</tr>
<tr>
<td>Depth (m): 60.4</td>
</tr>
<tr>
<td>Bottom (m): 60.4</td>
</tr>
<tr>
<td>OD (mm): 152.4</td>
</tr>
<tr>
<td>Thickness (mm): 0.1</td>
</tr>
<tr>
<td>Seal Type: <strong>Bentonite Chips/Tabl</strong></td>
</tr>
<tr>
<td>from (m): to 30.5</td>
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<table>
<thead>
<tr>
<th>Liner:</th>
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<tbody>
<tr>
<td>Type:</td>
</tr>
<tr>
<td>OD (mm):</td>
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<tr>
<td>Thickness (mm):</td>
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<table>
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<th>Screen:</th>
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<tbody>
<tr>
<td>Material: St</td>
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<tr>
<td>OD (mm): 1.5</td>
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<tr>
<td>from (m): to 60.4</td>
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<th>Open Hole:</th>
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<tbody>
<tr>
<td>from (m): to</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump:</th>
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<tr>
<td>Model:</td>
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<thead>
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<th>Testing:</th>
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<tbody>
<tr>
<td>Rate (lpm): 91.2</td>
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<td>Time (minute): 120.0</td>
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<td>Level End (m): 50.9</td>
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<td>Drawdown (m): 2.4</td>
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<td>pH (pH unit):</td>
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<td>Cond. (µS/cm):</td>
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<tr>
<td>TDS:</td>
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<tr>
<td>Sodium:</td>
</tr>
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<td>Nitrate:</td>
</tr>
<tr>
<td>Strontium:</td>
</tr>
<tr>
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<td>Molybdenum:</td>
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<td>Calcium:</td>
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<td>Magnesium:</td>
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<td>Amm. Nitrogen:</td>
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<td>Cobalt:</td>
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<td>TOC:</td>
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<tr>
<td>Copper:</td>
</tr>
<tr>
<td>Total Alkalinity:</td>
</tr>
<tr>
<td>Silicon:</td>
</tr>
<tr>
<td>Lead:</td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N:</td>
</tr>
</tbody>
</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27
**NE 20-053-01 W5M**

**Well Owner:** Fallis, Harold B  
*Elevation (AMSL) (m): 776*

**Drilling Contractor:** Unknown Driller  
*Licence No.:*  
*Date Started:*  
*Date Completed:*

<table>
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<tr>
<th>General:</th>
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<tr>
<td><strong>Type of Work:</strong> Chemistry</td>
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<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth (m):</strong></td>
</tr>
<tr>
<td><strong>NPWL (m):</strong></td>
</tr>
<tr>
<td><strong>Verified NPWL (m):</strong></td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
</tr>
<tr>
<td><strong>Type:</strong></td>
</tr>
<tr>
<td><strong>Depth (m):</strong></td>
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<tr>
<td><strong>Bottom (m):</strong></td>
</tr>
<tr>
<td><strong>OD (mm):</strong></td>
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<tr>
<td><strong>Thickness (mm):</strong></td>
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<tr>
<td><strong>Seal Type:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
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<td><strong>to</strong></td>
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<tr>
<td><strong>Liner:</strong></td>
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<tr>
<td><strong>Type:</strong></td>
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<tr>
<td><strong>OD (mm):</strong></td>
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<tr>
<td><strong>Thickness (mm):</strong></td>
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<tr>
<td><strong>Top (m):</strong></td>
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<tr>
<td><strong>Bottom (m):</strong></td>
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<td><strong>Perforated How:</strong></td>
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<td><strong>to</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>Screen:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
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<td><strong>to</strong></td>
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<td><strong>Size:</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>to</strong></td>
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<tr>
<td><strong>Open Hole:</strong></td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
</tr>
<tr>
<td><strong>Model:</strong></td>
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<tr>
<td><strong>Intake (m):</strong></td>
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<tr>
<td><strong>Testing:</strong></td>
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<tr>
<td><strong>Rate (lpm):</strong></td>
</tr>
<tr>
<td><strong>Time (minute):</strong></td>
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<tr>
<td><strong>Level End (m):</strong></td>
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<td><strong>Drawdown (m):</strong></td>
</tr>
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<td><strong>Rec'd intake (m):</strong></td>
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<tr>
<td><strong>Rec'd Rate (lpm):</strong></td>
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<table>
<thead>
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<tbody>
<tr>
<td><strong>pH (pH unit):</strong></td>
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<tr>
<td><strong>Cond. (µS/cm):</strong></td>
</tr>
<tr>
<td><strong>TDS:</strong></td>
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<tr>
<td><strong>Sodium:</strong></td>
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<tr>
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<td><strong>Iron:</strong></td>
</tr>
<tr>
<td><strong>TOC:</strong></td>
</tr>
<tr>
<td><strong>Silica:</strong></td>
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</table>

| Chemical Constituents are in mg/l (ppm), Except as noted. |

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

*Water Well Positioned by PFRA in 10TM NAD 27*

*Remarks:*

*printed on 2/20/98*
**NE 20-053-01 W5M**

**Well Number: 07401**

- **Well Owner:** Gallant, Don
- **Drilling Contractor:** D&D Water Well Drilling & Services

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 48.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 35.0
- **Bottom (m):** 35.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **Bottom (m):** 65.5
- **Top (m):** 67.1
- **Size:** 0.01
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Type:** Sub
- **Model:** Intake (m): 59.4

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 57.9
- **Drawdown (m):** 9.4
- **Rec’d intake (m):** 59.4

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number: 07401**

- **Elevation (AMSL) (m):** 779
- **AEP:** 363005
- **Licence No.:**
- **Easting:** 58,834.36
- **Date Started:** 04 Jan 92
- **Northing:** 5,936,815.50
- **Date Completed:** 05 Jan 92

### Depth Elevation (BGL) (AMSL)

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<th>(m)</th>
<th>(m)</th>
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<td>7.9</td>
<td>771.0</td>
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<td>26.5</td>
<td>752.4</td>
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<tr>
<td>36.9</td>
<td>742.0</td>
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<td>40.8</td>
<td>738.1</td>
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<tr>
<td>60.0</td>
<td>718.9</td>
<td>Sand</td>
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<tr>
<td>61.9</td>
<td>717.0</td>
<td>Clay Sandy Blue</td>
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<tr>
<td>67.4</td>
<td>711.6</td>
<td>Sand</td>
</tr>
<tr>
<td>73.2</td>
<td>705.8</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>

### Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:** 1.000H

- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number 07402

**Well Owner:** Schuman, Brian/Dawna

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 775

**Licence No.:** AEP: 354516

**Date Started:**

**Date Completed:**

**Easting:** 59,209.51

**Northing:** 5,936,520.50

**Well Number:** NE 20-053-01 W5M

---

### General:

**Type of Work:** Chemistry

**Drilling Method:** Not Applicable

**Well Use:** Domestic

**Completed Depth:** 68.6 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

### Casing:

**Type:**

**Depth (m):** Bottom (m):

**OD (mm):** Thickness (mm):

**Seal Type:**

**from (m):** to

### Liner:

**Type:**

**OD (mm):** Thickness (mm):

**Top (m):** Bottom (m):

**Perforated How:**

**from (m):** to Size:

**from (m):** to Size:

**from (m):** to Size:

### Screen:

**Material:**

**OD (mm):**

**from (m):** to Size:

**from (m):** to Size:

**from (m):** to Size:

### Open Hole:

**from (m):** to

### Pump:

**Model:**

**Intake (m):**

### Testing:

**Rate (lpm):**

**Time (minute):**

**Level End (m):**

**Drawdown (m):**

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

### Laboratory:

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<th>Mercury</th>
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<td>Bicarbonate</td>
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<td>Phosphate</td>
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<td>Chloride</td>
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<td>Chromium</td>
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<td>Iron</td>
<td>Cobalt</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 48.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 69.8
- **Bottom (m):** 69.8
- **OD (mm):** 142.8
- **Thickness (mm):** 0.1
- **Seal Type:**
  - from (m):
  - to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - Size:
  - Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 69.8
- **to:** 71.3
- **Size:** 0.01
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 63.9
- Time (minute): 180.0
- **Level End (m):** 61.0
- **Drawdown (m):** 12.2
- **Rec'd intake (m):**
- **Rec’d Rate (lpm):** 63.9

### Laboratory:
- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **COD:**
- **Mercury:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Total Phosphate:**
- **Total Hardness:**
- **Lead:** N/A
- **Nitrate:** N/A
- **Nitrite:** N/A
- **Amm. Nitrogen:** N/A
- **AEP Data:** Yes
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 07403**

- **Well Owner:** Schwark, Dennis
- **Drilling Contractor:** Midwest Water Well Ltd.
- **Elevation (AMSL) (m):** 779
- **AEP:** 354676
- **Licence No.:**
- **Easting:** 56,973.45
- **Norting:** 5,936,716.00
- **Date Started:** 09 Nov 90
- **Date Completed:** 10 Nov 90
- **New Well**
- **Rotary**
- **Till**
- **Clay Soft Brown**
- **Clay Soft Blue**
- **Sand & Coal Fine Grained Gray**
- **Sand & Coal Coarse Grained Gray**
- **Sand & Coal Coarse Grained Gray**
- **Sand & Coal Coarse Grained Gray**
- **Sand & Coal Coarse Grained Gray**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
- **Clay Blue**
### NE 20-053-01 W5M

**Well Owner:** Stefure, Ron  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd  

**Elevation (AMSL) (m):** 768  
**AEP:** 356119  
**Date Started:** 27 Oct 86  
**Date Completed:** 30 Oct 86

#### General
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 62.5 (m)  
- **NPWL (m):** 45.7  
- **Abandonment:**

#### Casing
- **Type:** Plastic  
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0  
- **OD (mm):** 114.3  
- ** Thickness (mm):**
  - from (m):  
  - to (m):

#### Liner
- **Type:**
  - OD (mm):
    - from (m):  
    - to (m):

#### Screen
- **Material:** St  
- **OD (mm):**
  - from (m): 61.0  
  - to 62.2  
  - **Size:** 0.01

#### Open Hole
- **from (m):**  
- **to (m):**

#### Pump
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 18.2  
- **Time (minute):** 180.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 15.2  
- **Rec’d intake (m):**

#### Laboratory
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

- **pH (pH unit):**
  - COD: Mercury
- **Cond. (µS/cm):**
  - SAR: Nickel
  - TDS: TKN: Selenium
- **Sodium:** Nitrate: Strontium
- **Potassium:** Nitrite: Molybdenum
- **Calcium:** TN: Vanadium
- **Magnesium:** TC: Zinc
- **Carbonate:** DIC: Hydroxide
- **Bicarbonate:** Arsenic: Total Hardness
- **Aluminum:** Barium: Manganese
- **Sulphate:** Beryllium: Phosphate
- **Chloride:** Cadmium: Ion Balance
- **Fluoride:** Chromium: Amm. Nitrogen
- **Iron:** Cobalt: Total Phosphate
- **TOC:** Copper: Total Alkalinity
- **Silica:** Lead: Nitrate & Nitrite N

#### Electric Log
- **Transmissivity:** m²/day
  - **Gamma Log:**  
  - **Storativity:**

#### Aquifer Test
- **Project:**
- **Database:** 1.000H

#### AEP Data
- **AEP Verified:** Yes  
- **Water Well Positioned by PFRA in 10TM NAD 27**
# NE 20-053-01 W5M

**Well Number:** 07405  
**Well Owner:** Zaplotynsky, Walter  
**Drilling Contractor:** Barrhead Drilling 1991 Ltd.  
**Elevation (AMSL) (m):** 774  
**AEP:** 360262  
**Licence No.:** Easting: 59,180.16  
**Date Started:** 07 Aug 91  
**Northing:** 5,936,467.00  
**Date Completed:** 13 Aug 91

## General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 115.8 (m)  
- **NPWL (m):** 50.3  
- **Abandonment:**

## Casting:
- **Type:** Steel  
- **Depth (m):** 76.8  
- **Bottom (m):** 76.8  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 76.8

## Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 73.2  
- **Bottom (m):** 115.8  
- **Perforated How:** Torch  
- **from (m):** to 115.8  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

## Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

## Open Hole:
- **from (m):** to  

## Pump:
- **Model:** 18 Stage  
- **Intake (m):** 85.3

## Testing:
- **Rate (lpm):** 9.1  
- **Time (minute):** 360.0  
- **Level End (m):** 79.2  
- **Drawdown (m):** 29.0  
- **Rec'd Rate (lpm):** 85.3  
- **Rec'd intake (m):** 9.1

## Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Selenium:**  
- **Calcium:**  
- **Molybdenum:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Storativity:**

## Aquifer Test:
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27  

printed on 2/20/98
**NW 20-053-01 W5M**

**Well Owner:** Cane, Doug  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt  
**Elevation (AMSL) (m):** 776  
**AEP:** 364199  
**Licence No.:** Easting: 58,633.12  
**Date Started:** 26 Feb 92  
**Nothing:** 5,936,624.00  
**Date Completed:** 28 Feb 92

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 140.2 (m)  
- **NPWL (m):** 63.1  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 99.4  
- **Bottom (m):** 99.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 99.4  
- **Type:** Saw  
- **Perforated How:** from (m): to 100.6  
- **Size:** to 140.2  
- **Screen:** Material:  
  - **OD (mm):**  
  - **from (m):** to  
  - **Size:**  
- **Open Hole:** from (m): to  
- **Model:** 7s4518p-S2  
- **Intake (m):** 106.7  
- **Rate (lpm):** 9.1  
- **Time (minute):** 180.0  
- **Rec'd Rate (lpm):** 9.1  
- **Rec'd intake (m):**  

### Laboratory:

- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Phosphate:**  
- **Pesticides:**  
- **Organics:**  
- **Microbiological:**  
- **Parasites:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 07407

Well Owner: Goertzen, Ron
Drilling Contractor: D&D Water Well Drilling & Services

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 134.1 (m)
NPWL (m): 56.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 100.9 Bottom (m): 100.9
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap
from (m): to 100.9

Liner:
Type: Shale Trap
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 99.1 Bottom (m): 134.1

Perforated How: Other
from (m): 109.7 to 134.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 22.8 Time (minute): 240.0
Level End (m): 97.5 Drawdown (m): 41.2
Rec'd intake (m): Rec'd Rate (lpm):

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
42.1 733.6 Clay Sandy Yellow
58.5 717.1 Sand & Gravel
78.6 697.0 Clay Sandy Blue
87.5 688.2 Sand & Gravel
93.3 682.4 Clay Blue
112.2 663.5 Shale Gray
113.4 662.2 Sandstone
116.1 659.5 Shale Green
120.1 655.5 Shale Gray
123.4 652.2 Sandstone
124.1 651.6 Shale & Coal Brown
128.9 646.7 Shale Gray
132.3 643.3 Sandstone
134.1 641.5 Shale Gray

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 20/20/98
**NW 20-053-01 W5M**

**Well Owner:** Sterling, Grant  
**Drilling Contractor:** Arts, Rene Well Drilling & Servicing

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<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td></td>
<td></td>
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<tr>
<td>Well Use: Domestic</td>
<td></td>
<td></td>
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<tr>
<td>Completed Depth: 54.9</td>
<td>Bottom (m): 39.6</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>NPWL (m): 44.2</td>
<td></td>
<td>Clay Gray</td>
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<td>Abandonment:</td>
<td></td>
<td>Clay Hard Gray</td>
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<tr>
<td>Type: Steel</td>
<td>Depth (m): 39.6</td>
<td>Diameter (mm): 141.2</td>
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<tr>
<td>OD (mm): 141.2</td>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>from (m):</td>
<td>to 39.6</td>
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<table>
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<tbody>
<tr>
<td>Type:</td>
<td>OD (mm): 114.3</td>
</tr>
<tr>
<td>OD (mm): 114.3</td>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>Top (m): 4.6</td>
<td>Bottom (m): 53.3</td>
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<td>from (m):</td>
<td>to 54.9</td>
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<td>OD (mm): 1.2</td>
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<tr>
<td>OD (mm): 1.2</td>
<td>Thickness (mm): 0.02</td>
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<tr>
<td>from (m):</td>
<td>to 54.9</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<th>Open Hole</th>
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<tr>
<td>from (m):</td>
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<tr>
<th>Pump</th>
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<tr>
<td>Sub</td>
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<th>Testing</th>
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<tr>
<td>Rate (lpm): 36.5</td>
<td>Time (minute): 240.0</td>
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<tr>
<td>Level End (m): 44.8</td>
<td>Drawdown (m): 0.6</td>
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<tr>
<td>Rec’d intake (m): 51.8</td>
<td>Rec’d Rate (lpm): 36.5</td>
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<tr>
<th>Laboratory</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<td>Magnesium</td>
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<td>Fluoride</td>
<td>Chromium</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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<tr>
<td>Laboratory:</td>
<td></td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td>Electric Log: No</td>
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<tr>
<td>Gamma Log: No</td>
<td>Transmissivity: m²/day</td>
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<td>Aquifer Test: No</td>
<td>Storativity:</td>
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<td>Project:</td>
<td>Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
<table>
<thead>
<tr>
<th><strong>Well Number:</strong> 07409</th>
<th><strong>SE 20-053-01 W5M</strong></th>
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<tbody>
<tr>
<td><strong>Well Owner:</strong> Carsen, Robert K.</td>
<td><strong>Drilling Contractor:</strong> Big Iron Drilling Ltd.</td>
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<tr>
<td><strong>Elevation (AMSL) (m):</strong> 766</td>
<td><strong>AEP:</strong> 358993</td>
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<td><strong>Licence No.:</strong></td>
<td><strong>Easting:</strong> 59,195.54</td>
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<td><strong>Date Started:</strong> 28 Apr 92</td>
<td><strong>Northing:</strong> 5,935,701.50</td>
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<td><strong>Date Completed:</strong> 04 May 92</td>
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</table>

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 86.6 (m)
- **NPWL (m):** 36.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 52.4
- **Bottom (m):** 52.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 52.4

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 52.4 to **54.0**
- **Size:** 0.02
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to **Size:**

**Pump:** Sub
- **Model:** .5 Hp
- **Intake (m):** 49.4

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Level End (m):** 54.0
- **Drawdown (m):** 23.5
- **Rec'd Rate (lpm):** 49.4
- **Rec'd intake (m):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
| **SAR** | **Nickel** |
| **TKN** | **Selenium** |
| **Potassium:**
| **Nitrate** | **Strontium** |
| **Calcium:**
| **Nitrite** | **Molybdenum** |
| **Magnesium:**
| **TC** | **Zinc** |
| **Carbonate:**
| **DIC** | **Hydroxide** |
| **Bicarbonate:**
| **Arsenic** | **Total Hardness** |
| **Aluminium:**
| **Barium** | **Manganese** |
| **Sulphate:**
| **Beryllium** | **Phosphate** |
| **Chloride:**
| **Cadmium** | **Ion Balance** |
| **Fluoride:**
| **Chromium** | **Amm. Nitrogen** |
| **Iron:**
| **Cobalt** | **Total Phosphate** |
| **TOC:**
| **Copper** | **Total Alkalinity** |
| **Silica:**
| **Lead** | **Nitrate&Nitrite N** |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
SE 20-053-01 W5M

Well Owner: Carson, Robert/Kathryn
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 766
Licence No.: 366998
Date Started:
Date Completed:

Well Use: Domestic

Completed Depth: 53.3 (m)
NPWL (m): Verified NPWL (m):

Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:

pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminum:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:

COD
SAR
TKN
Nitrate
Nitrite
TN
TC
DIC
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead

Mercury
Nickel
Selenium
Sodium
Selenium
Vanadium
Zinc
Hydroxide
Total Hardness
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Nitrate

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
### General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 64.3 m
- NPWL (m): 41.2
- Verified NPWL (m):
- Abandonment:
- Casing:
  - Type: Plastic
  - Depth (m): 58.5
  - Bottom (m): 58.5
  - OD (mm): 152.4 mm
  - Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Tabl
- from (m): to 43.0
- Liner:
  - Type:
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
  - Perforated How:
    - from (m):
      - to
      - Size:
    - from (m):
      - to
      - Size:
    - from (m):
      - to
      - Size:
- Screen:
  - Material: St
  - OD (mm): 1.5
  - from (m): 58.5 to 60.0
  - Size: 0.01
  - from (m): to
  - Size:
- Open Hole:
  - from (m): to
- Pump:
  - Model:
  - Intake (m): 60.0
- Testing:
  - Rate (lpm): 59.3
  - Time (minute): 120.0
  - Level End (m): 50.3
  - Drawdown (m): 9.1
  - Rec'd intake (m): 51.8
  - Rec'd Rate (lpm): 22.8

### Lithologic Description

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>10.4</td>
<td>757.5</td>
<td>Clay Sandy Yellow</td>
</tr>
<tr>
<td>28.4</td>
<td>739.5</td>
<td>Clay Blue</td>
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<tr>
<td>39.0</td>
<td>728.9</td>
<td>Sand</td>
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<td>43.0</td>
<td>724.9</td>
<td>Clay Blue</td>
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<tr>
<td>61.3</td>
<td>706.6</td>
<td>Sand</td>
</tr>
<tr>
<td>64.3</td>
<td>703.6</td>
<td>Clay Blue</td>
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</tbody>
</table>

### Laboratory:
- pH (pH unit): 7.0
- COD: 5.0
- Mercury: 0.0
- SAR: 0.0
- Nickel: 0.0
- TDS: 0.0
- KTN: 0.0
- Selenium: 0.0
- Sodium: 0.0
- Nitrate: 0.0
- Strontium: 0.0
- Potassium: 0.0
- Nitrite: 0.0
- Molybdenum: 0.0
- Calcium: 0.0
- TN: 0.0
- Vanadium: 0.0
- Magnesium: 0.0
- TC: 0.0
- Zinc: 0.0
- Carbonate: 0.0
- DIC: 0.0
- Hydroxide: 0.0
- Bicarbonate: 0.0
- Arsenic: 0.0
- Total Hardness: 0.0
- Aluminium: 0.0
- Barium: 0.0
- Manganese: 0.0
- Sulphate: 0.0
- Beryllium: 0.0
- Phosphate: 0.0
- Chloride: 0.0
- Cadmium: 0.0
- Ion Balance: 0.0
- Fluoride: 0.0
- Chromium: 0.0
- Amm. Nitrogen: 0.0
- Iron: 0.0
- Cobalt: 0.0
- Total Phosphate: 0.0
- TOC: 0.0
- Copper: 0.0
- Total Alkalinity: 0.0
- Silicon: 0.0
- Lead: 0.0
- Nitrate:Nitrite N: 0.0
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
Well Number: **07412**

**SE 20-053-01 W5M**

**Well Owner:** Gaboury, P  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

---

### General:
- **Type of Work:** New Well-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.6 m
- **NPWL (m):** 39.6 m
- **Verified NPWL (m):** 39.6 m
- **Abandonment:** Bentonite Product 13 Sep 91

### Casing:
- **Type:** Plastic
- **Depth (m):** 52.7 m  
  **Bottom (m):** 52.7 m
- **OD (mm):** 152.4 mm  
  **Thickness (mm):** 0.1 mm
- **Seal Type:** from (m): to

### Liner:
- **Type:** Plastic
- **OD (mm):** from (m): to  
  **Thickness (mm):** from (m): to

### Screen:
- **Material:** St
- **OD (mm):** 1.2 mm  
  **from (m):** 52.7 m  
  **to:** 54.3 m  
  **Size:** 0.01 mm

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m): 51.8

### Testing:
- **Rate (lpm):** 31.9  
  **Time (minute):** 120.0
- **Level End (m):** 51.8  
  **Drawdown (m):** 12.2
- **Rec'd intake (m):** 52.4  
  **Rec'd Rate (lpm):** 31.9

### Laboratory:

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<tbody>
<tr>
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<td>SAR</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:
- Transmissivity:  m²/day

### Gamma Log:
- Storativity:

### Aquifer Test:
- Project:  Database: 1.000H

### AEP Data:
- Yes: Well Field Verified: No

---

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Printed on 2/20/98**
**SE 20-053-01 W5M**

**Well Owner:** Geddes, D./Broersma, W.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 772

**Well Use:** Domestic

**Licence No.:** Easting: 59,127.91

**Date Started:** Northing: 5,935,628.50

**Date Completed:**

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<tr>
<th><strong>Well Number:</strong></th>
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<th><strong>Lithologic Description</strong></th>
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<td><strong>Completed Depth:</strong> 56.7 (m)</td>
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<td><strong>NPWL (m):</strong></td>
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<tr>
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<td><strong>Type:</strong></td>
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<td><strong>from (m):</strong> to <strong>Size:</strong></td>
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<td><strong>from (m):</strong> to <strong>Size:</strong></td>
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<td><strong>Level End (m):</strong> <strong>Drawdown (m):</strong></td>
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<td>Total Alkalinity</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 20-053-01 W5M**

Well Owner: **Geddes, David**

Drilling Contractor: **McGinn, Gerald Drilling Ltd.**

**Well Number 07414**

- **Elevation (AMSL) (m):** 771
- **AEP:** 351283
- **Licence No.:** Easting: 59,135.57
- **Date Started:** 28 Mar 90
- **Nothing:** Northing: 5,935,631.00
- **Date Completed:** 29 Mar 90

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<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
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<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>(BGL) (AMSL)</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td>(m)</td>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth: 59.7 (m)</td>
<td>Lithologic Description</td>
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<tr>
<td>NPWL (m): 41.2</td>
<td>21.9</td>
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<td>Abandonment:</td>
<td>35.0</td>
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</table>

| Casing | 36.3 | Sand |
|---------| 43.6 | Clay Blue |
| Type: **Plastic** | 53.3 | Clay Blue |
| Depth (m): 55.2 | 57.9 | Sand |
| Bottom (m): 55.2 | 59.7 | Clay |
| OD (mm): 141.2 | | |
| Thickness (mm): 0.1 | | |
| Seal Type: | | |
| from (m): to | | |

| Liner | | |
|-------| | |
| Type: | | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | to Size: |
| from (m): to Size: |
| from (m): to Size: |

| Screen | | |
|-------| | |
| Material: St | 56.7 | Size: 0.10 |
| OD (mm): 1.2 | from (m): to Size: |
| from (m): 55.2 to 56.7 | to Size: |

| Open Hole | | |
|-----------| | |
| from (m): to | | |

| Pump | | |
|------| | |
| Model: | Intake (m): |
| Testing | Rate (lpm): 34.2 | Time (minute): 420.0 |
| | Level End (m): 47.2 | Drawdown (m): 6.1 |
| | Rec'd intake (m): | Rec'd Rate (lpm): |

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<td>Nickel</td>
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<td>TKN</td>
<td>Selenium</td>
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<tr>
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<td>Strontium</td>
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<td>Vanadium</td>
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<td>Iron</td>
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<td>Total Phosphate</td>
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<tr>
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<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

**Printed on:** 2/20/98
General:

| Type of Work: | New Well |
| DRILLING METHOD: | Rotary |
| WELL USE: | Domestic |

Completed Depth: 123.4 (m)  
NPWL (m): 54.9  
Verified NPWL (m): 54.9  
Abandonment:

Casing:

| Type: | Plastic |
| Depth (m): | 90.2  
Bottom (m): | 90.2 |
| OD (mm): | 152.4  
Thickness (mm): | 0.1 |

Seal Type: Shale Trap  
from (m): to 90.2

Liner:

| Type: | Shale Trap |
| OD (mm): | 127.0  
Thickness (mm): | 0.1 |
| Top (m): | 90.2  
Bottom (m): | 122.5 |

Perforated How: Machine  
from (m): to 122.5  
Size:  
from (m): to  
Size:  
from (m): to  
Size:

Screen:

| Material: |
| OD (mm): |  
from (m): to |
| from (m): to  
Size: |

Open Hole:

| from (m): to |

Pump:

| Model: |
| Intake (m): |

Testing:

| Rate (lpm): | 16.0  
Time (minute): | 420.0 |
| Level End (m): | 79.2  
Drawdown (m): | 24.4 |
| Rec’d intake (m): |
| Rec’d Rate (lpm): |

Laboratory:

| pH (pH unit): |
| Cond. (µS/cm): |
| TDS: |
| Sodium: |
| Potassium: |
| Calcium: |
| Magnesium: |
| Carbonate: |
| Bicarbonate: |
| Aluminium: |
| Sulphate: |
| Chloride: |
| Fluoride: |
| Iron: |
| TOC: |
| Silica: |
| COD: |
| SAR: |
| TKN: |
| Nitrate: |
| Molybdenum: |
| Beryllium: |
| Phosphate: |
| Cadmium: |
| Chromium: |
| Cobalt: |
| Copper: |
| Lead: |
| Nitrate: |
| Mercury: |
| Nickel: |
| Selenium: |
| Strontium: |
| Molybdenum: |
| Zinc: |
| Hydroxide: |
| Total Hardness: |
| Manganese: |
| Phosphate: |
| Ion Balance: |
| Amm. Nitrogen: |
| Total Phosphate: |
| Total Alkalinity: |
| Nitrate & Nitrite N: |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
<table>
<thead>
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<th>Well Number: 07416</th>
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<tbody>
<tr>
<td>SE 20-053-01 W5M</td>
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<tr>
<td>Well Owner: Humm, Lawrence/Mary</td>
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<tr>
<td>Drilling Contractor: Mcginn, Gerald Drilling Ltd.</td>
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<tr>
<td>Elevation (AMSL) (m): 770</td>
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<td>AEP: 363742</td>
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<td>Licence No.:</td>
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<tr>
<td>Date Started: 06 Feb 92</td>
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<tr>
<td>Date Completed: 07 Feb 92</td>
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</table>

**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: 57.9 (m)
- NPWL (m): 42.7
- Veriﬁed NPWL (m):
- Abandonment:

**Casing:**
- Type: **Plastic**
- Depth (m): 52.7
- Bottom (m): 52.7
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: from (m): to

**Liner:**
- Type: from (m): to
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: St
- OD (mm): 1.2
- from (m): 52.7 to 54.3
- Size: 0.02
- from (m): to
- Thickness (mm):
- OD (mm):

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): 42.7

**Testing:**
- Rate (lpm): 31.9
- Time (minute): 420.0
- Level End (m): 42.7
- Drawdown (m): Rec'd intake (m):
- Rec'd intake (m):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphorus
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) Lithologic Description**

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<th>(m)</th>
<th>(m)</th>
<th>Description</th>
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<td>748.9</td>
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<td>27.4</td>
<td>742.8</td>
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<td>54.9</td>
<td>715.4</td>
<td>Sand</td>
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<td>57.9</td>
<td>712.3</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes Well Field Verified: No

printed on 2/20/98
**SE 20-053-01 W5M**

Well Owner: *Janke, Helmut/Alwine*

Drilling Contractor: *Midwest Water Well Ltd.*

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<tr>
<th>Depth</th>
<th>Elevation (BGL)</th>
<th>Lithologic Description</th>
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<td>732.6</td>
<td>Till Brownish Yellow</td>
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<td>716.7</td>
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<td>48.2</td>
<td>706.1</td>
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<td>49.7</td>
<td>704.5</td>
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<td>73.8</td>
<td>680.5</td>
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<td>85.0</td>
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Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number: 07418

| Well Owner: Powell, Ian/Valerie | Elevation (AMSL) (m): 745 |
| Drilling Contractor: Unknown Driller | AEP: 361710 |
| Date Started: | Easting: 59,065.39 |
| Date Completed: | Northing: 5,935,965.50 |

Well Number: SE 20-053-01 W5M

| General: | Depth Elevation |
| Type of Work: Chemistry | (BGL) (AMSL) |
| Drilling Method: Unknown | (m) (m) |
| Well Use: Domestic | Lithologic Description |
| Completed Depth: 114.6 | |
| NPWL (m): | |
| Verified NPWL (m): | |
| Abandonment: | |

| Casing: | |
| Type: | Depth (m): Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: from (m): to | |

| Liner: | |
| Type: | OD (mm): Thickness (mm): |
| Top (m): Bottom (m): | |
| Perforated How: from (m): to | Size: |
| from (m): to | Size: |
| from (m): to | Size: |

| Screen: | |
| Material: | OD (mm): |
| from (m): to | Size: |
| from (m): to | Size: |

| Open Hole: | |
| from (m): to | |

| Pump: | |
| Model: | Intake (m): |
| Testing: | Rate (lpm): Time (minute): |
| Level End (m): Drawdown (m): | |
| Rec'd intake (m): Rec'd Rate (lpm): | |

| Laboratory: | Electric Log: No |
| pH (pH unit): COD | Transmissivity: m³/day |
| Cond. (µS/cm): SAR | Gamma Log: No |
| TDS: TKN | Storativity: |
| Sodium: Nitrate | Aquifer Test: No |
| Potassium: Nitrite | Total Hardness: |
| Calcium: TN | Molybdenum: |
| Magnesium: TC | Zinc: |
| Carbonate: DIC | Hydroxide: |
| Bicarbonate: Arsenic | Total Hardness: |
| Aluminum: Barium | Manganese: |
| Sulphate: Beryllium | Phosphate: |
| Chloride: Cadmium | Ion Balance: |
| Fluoride: Chromium | Amm. Nitrogen: |
| Iron: Cobalt | Total Phosphate: |
| TOC: Copper | Total Alkalinity: |
| Silica: Lead | Nitrate&Nitrite N |
| | Chemical Constituents are in mg/l (ppm). Except as noted. |

| Remarks: | |
| Water Well Positioned by PFRA in 10TM NAD 27 | |
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m): Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:
- from (m): to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 97.5 (m)
- NPWL (m): 40.2
- Abandonment:

**Casing:**
- Type: Galvanized Steel
- Depth (m): 79.8
- Bottom (m): 79.8
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 79.8

**Liner:**
- Type: Driven
- OD (mm): 88.9
- Thickness (mm): 0.1
- Top (m): 79.2
- Bottom (m): 97.5
- Perforated How: Other
- from (m): 85.3 to 97.5
- Size: from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Sub
- Model: Intake (m): 76.2

**Testing:**
- Rate (lpm): 22.8
- Time (minute): 120.0
- Level End (m): 64.0
- Drawdown (m): 23.8
- Rec'd intake (m): 75.6
- Rec'd Rate (lpm): 22.8

**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 118.6 (m)
NPWL (m): 27.7

**Abandonment:**
Type: Plastic
Depth (m): 96.9
Bottom (m): 96.9
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Driven & Shale Trap
from (m): to 96.9

**Liner:**
Type: Driven & Shale Trap
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 96.0
Bottom (m): 118.6
Perforated How: Machine
from (m): 100.3 to 118.6
Size: to
from (m): to
Size: to

**Screen:**
Material: Driven & Shale Trap
OD (mm): from (m): to
Size: to
from (m): to
Size: to

**Open Hole:**
from (m): to

**Pump:**
Model: Jacuzzi
Intake (m): 94.2

**Testing:**
Rate (lpm): 11.4
Time (minute): 360.0
Level End (m): 94.2
Drawdown (m): 66.4
Rec'd Rate (lpm): 94.2
Rec'd intake (m): 94.2

**Laboratory:**
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### Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth | Elevation | Lithologic Description**
| (m) | (m) |  
| 10.7 | 757.1 | Clay Hard |
| 22.9 | 744.9 | Clay Sandy |
| 32.0 | 735.7 | Sand & Till |
| 36.6 | 731.2 | Sand & Coal Fine Grained |
| 44.2 | 723.5 | Till |
| 50.3 | 717.4 | Sand & Coal |
| 54.3 | 713.5 | Sand |
| 56.4 | 711.3 | Sand & Coal |
| 68.6 | 699.1 | Till |
| 71.6 | 696.1 | Sand & Coal |
| 80.8 | 687.0 | Till Sandy |
| 86.9 | 680.9 | Till |
| 88.4 | 679.3 | Shale Green |
| 93.0 | 674.8 | Shale Gray |
| 100.6 | 667.1 | Shale Greensh Gray |
| 105.2 | 662.6 | Shale Sandy Gray |
| 110.3 | 657.4 | Shale Gray |
| 112.2 | 655.6 | Shale Brown |
| 112.8 | 655.0 | Coal |
| 113.4 | 654.3 | Shale Brown |
| 115.2 | 652.5 | Shale Sandy Gray |
| 117.3 | 650.4 | Sandstone |
| 118.6 | 649.2 | Shale Gray |

---

**Electric Log: No**
**Transmissivity:** m²/day
**Gamma Log: No**
**Storativity:**
**Aquifer Test: No**
**Project:** Database: 1.000H
**AEP Data: Yes**
**Well Field Verified: No**
**Well Number: 07422**

**Well Owner:** Northcott Ent  
**Drilling Contractor:** Double R Drig

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 116.7 m  
- **NPWL (m):** 29.0  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 84.7  
- **Bottom (m):** 84.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Cement/Grout  
- **from (m):** 76.2  
- **to:** 84.7

### Liner:
- **Type:**
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 84.1  
- **Bottom (m):** 116.7  
- **Perforated How:** Saw  
- **from (m):** 85.3  
- **to:** 116.7

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size: 
- **from (m):** to Size: 

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub  
- **Intake (m):** 106.7  
- **Rate (lpm):** 9.1  
- **Time (minute):** 240.0  
- **Level End (m):** 106.7  
- **Drawdown (m):** 77.7  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Laboratory:**

### Lithologic Description:
- **Depth (m):** Elevation (BGL) (m):  
- **Lithologic Description:**  
- **10.7:** 762.7 Clay Sandy  
- **15.2:** 758.1 Clay & Sand  
- **23.8:** 749.6 Clay Sandy  
- **32.9:** 740.4 Sand & Till  
- **38.1:** 735.2 Sand & Coal  
- **45.7:** 727.6 Till Sandy  
- **51.5:** 721.8 Sand & Coal  
- **53.6:** 719.7 Sand  
- **55.8:** 717.6 Sand & Coal  
- **69.8:** 703.5 Till Sandy  
- **71.3:** 702.0 Sand & Coal  
- **80.2:** 693.2 Till Sandy  
- **86.6:** 686.8 Shale Greenish Gray  
- **87.8:** 685.6 Sandstone Soft Gray  
- **104.2:** 669.1 Shale Greenish Gray  
- **105.8:** 667.6 Shale Sandy Gray  
- **110.3:** 663.0 Shale Gray  
- **112.2:** 661.2 Shale Brown  
- **112.8:** 660.6 Coal  
- **113.4:** 660.0 Shale Brown  
- **115.5:** 657.8 Sand Sandy Gray  
- **116.7:** 656.2 Sandstone Soft Gray  
- **116.7:** 655.6 Shale Green  

### Electric Log:
- **No**  
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:

### Aquifer Test:
- **No**  
- **Total Phosphate:** Iron  
- **TOC:** Copper  
- **Silica:** Lead  
- **Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 118.9 (m)
  - **NPWL (m):** 70.1
  - **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
  - **Depth (m):** 97.5
  - **Bottom (m):** 97.5
- **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):**
  - **to (m):** 97.5

**Liner:**
- **Type:** Driven
  - **OD (mm):** 101.6
  - **Thickness (mm):** 0.1
  - **Top (m):** 94.5
  - **Bottom (m):** 118.9
- **Perforated How:** Machine
  - **from (m):** 97.5
  - **to (m):** 118.9
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to (m):**
  - **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:** Sub
- **Gould**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 1720.0
- **Level End (m):** 91.4
  - **Drawdown (m):** 21.3
- **Rec'd Rate (lpm):** 96.9
  - **Rec'd intake (m):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium Nitrate:**
- **Sodium Strontium:**
- **Potassium Nitrite:**
- **Potassium Molybdenum:**
- **Calcium TN:**
- **Calcium Vanadium:**
- **Magnesium TC:**
- **Magnesium Zinc:**
- **Carbons DIC:**
- **Carbonates Hydroxide:**
- **Bicarbonate Arsenic:**
- **Aluminum Arsenic:**
- **Beryllium Total Hardness:**
- **Chloride Cadmium:**
- **Chloride Ion Balance:**
- **Fluoride Chromium:**
- **Fluoride Amm. Nitrogen:**
- **Iron Cobalt:**
- **Iron Total Phosphate:**
- **TOC Copper:**
- **TOC Total Alkalinity:**
- **Silica Lead:**
- **Silica Nitrate&Nitrite N:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**SW 20-053-01 W5M**

**Well Owner:** Tostowaryk, Jerry  
**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

**Well Number 07424**

**Elevation (AMSL) (m):** 748  
**AMSL (m):** 784.5  
**Depth (BGL) (m):** 62.5  
**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 109.7 (m)  
**NPWL (m):** 48.8  
**Verified NPWL (m):**  
**Abandonment:**  
**Casing:**  
**Type:** Steel  
**Depth (m):** 78.6  
**Bottom (m):** 78.6  
**OD (mm):** 114.3  
**Thickness (mm):** 0.1  
**Seal Type:** Drive Shoe  
**from (m):** to 78.6  
**Liner:**  
**Type:**  
**OD (mm):** 76.2  
**Thickness (mm):** 0.1  
**Top (m):** 77.7  
**Bottom (m):** 109.7  
**Perforated How:** Other  
**from (m):** to 109.7  
**Size:**  
**from (m):** to  
**Size:**  
**Screen:**  
**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  
**Open Hole:**  
**from (m):** to  
**Pump:**  
**Model:**  
**Intake (m):** 76.2  
**Testing:**  
**Rate (lpm):** 13.7  
**Time (minute):** 420.0  
**Level End (m):** 76.2  
**Drawdown (m):** 24.4  
**Rec’d intake (m):**  
**Rec’d Rate (lpm):** 13.7  

**Laboratory:**  
**pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS:**  
**Sodium:**  
**Nitrate:**  
**Calcium:**  
**Nitrite:**  
**Magnesium:**  
**TC:**  
**Carbonate:**  
**DIC:**  
**Bicarbonate:**  
**Arsenic:**  
**Aluminum:**  
**Barium:**  
**Sulphate:**  
**Beryllium:**  
**Chloride:**  
**Cadmium:**  
**Fluoride:**  
**Chromium:**  
**Iron:**  
**Cobalt:**  
**TOC:**  
**Copper:**  
**Silica:**  
**Lead:**  
**Open Hole:**  
**Nitrate & Nitrite:**  
**Chemical Constituents are in mg/l (ppm). Except as noted.**  

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- Type of Work: Test Hole-Abandoned
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 109.7 m
- NPWL (m): 
  - Verified NPWL (m):
- Abandonment: Cement

**Casing:**
- Type: Steel
- Depth (m): 85.3
- Bottom (m): 85.3
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Cement/Grout
  - from (m): 76.2
  - to: 85.3

**Liner:**
- Type: 
- OD (mm): 
- Thickness (mm): 
- Top (m): 
- Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: 
- OD (mm): 
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to 

**Pump:**
- Model: 
- Intake (m): 103.6

**Testing:**
- Rate (lpm): 9.1
- Time (minute): 60.0
- Level End (m): 
- Drawdown (m): 
- Rec'd Rate (lpm): 
- Rec'd intake (m): 

**Laboratory:**
- pH (pH unit): COD: Mercury
- Cond. (µS/cm): SAR: Nickel
- TDS: TKN: Selenium
- Sodium: Nitrate: Strontium
- Potassium: Nitrite: Molybdenum
- Calcium: TN: Vanadium
- Magnesium: TC: Zinc
- Carbonate: DIC: Hydroxide
- Bicarbonate: Arsenic: Total Hardness
- Aluminum: Barium: Manganese
- Sulphate: Beryllium: Phosphorus
- Chloride: Cadmium: Ion Balance
- Fluoride: Chromium: Amm. Nitrogen
- Iron: Cobalt: Total Phosphate
- TOC: Copper: Total Alkalinity
- Silica: Lead: Nitrate&Nitrite

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**

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<td>686.3</td>
<td>Clay Brown</td>
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<td>62.5</td>
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<td>68.6</td>
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<td>623.8</td>
<td>Sand &amp; Gravel Coarse Grained</td>
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<tr>
<td>109.4</td>
<td>622.6</td>
<td>Shale &amp; Sandstone Gray</td>
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</table>

Water Well Positioned by Mow-Tech in 10TM NAD 27

Printed on 2/20/98
02-21-053-01 W5M

Well Owner: Newton, Darryl

Elevation (AMSL) (m): 770
AEP: 412711
Licence No.: Easting: 60,558.17
Date Started: 14 Sep 83
Northing: 5,935,617.50
Date Completed: 16 Sep 83

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 91.4 (m)
- NPWL (m): 11.6
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 76.2
- Bottom (m): 76.2
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 76.2

Liner:
- Type:
- OD (mm): 76.2
- Thickness (mm):
- Top (m): 73.2
- Bottom (m): 91.4
- Perforated How: Machine
- from (m): to 91.4
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):
- Rate (lpm): 13.7
- Time (minute): 420.0
- Level End (m): 73.2
- Drawdown (m): 61.6
- Rec'd intake (m): 73.2
- Rec'd Rate (lpm): 13.7

Laboratory:

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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on: 2/20/98
# NE 21-053-01 W5M

**Well Number:** 07427

**Well Owner:** Delhiki, Manfred

**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 733  
**Licence No.:** 443255  
**Date Started:** 08 Oct 95  
**Date Completed:** 08 Oct 95

## General:

| Type of Work: | New Well |
| Drilling Method: | Rotary |
| Well Use: | Domestic |

**Completed Depth (m):** 85.3  
**NPWL (m):** 39.6  
**Verified NPWL (m):**

**Abandonment:**

**Type:** Plastic  
**Depth (m):** 83.5  
**Bottom (m):** 83.5

**OD (mm):** 127.0  
**Thickness (mm):** 0.1

| Seal Type: | Bentonite Chips/Tabl |

**from (m):** to 76.2

## Liner:

| Type: |
| OD (mm): |
| Top (m): |
| Perforated How: |

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

## Screen:

| Material: | St |
| OD (mm): | 1.5 |
| from (m): | 83.5 to 85.0 |
| Size: | 0.02 |

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

## Open Hole:

| from (m): |

**to**

## Pump:

| Model: |
| Intake (m): 76.2 |

**Rate (lpm):** 123.1  
**Time (minute):** 120.0

**Level End (m):** 76.2  
**Drawdown (m):** 36.6

**Rec'd intake (m):** 61.0  
**Rec'd Rate (lpm):** 45.6

## Laboratory:

| pH (pH unit): |
| Cond. (µS/cm): |
| TDS: |
| Sodium: |
| Potassium: |
| Calcium: |
| Magnesium: |
| Carbonate: |
| Bicarbonate: |
| Aluminium: |
| Sulphate: |
| Chloride: |
| Fluoride: |
| Iron: |
| TOC: |
| Silica: |
| COD: |
| SAR: |
| TKN: |
| Nitrate: |
| Nitrite: |
| Beryllium: |
| Cadmium: |
| Chromium: |
| Barium: |
| Manganese: |
| Beryllium: |
| Phosphate: |
| Cadmium: |
| Amm. Nitrogen: |
| Cobalt: |
| Copper: |
| Total Alkalinity: |
| Lead: |
| Nitrate: Nitrite N: |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

## Electric Log:

| Electric Log: | No |
| Transmissivity: | m³/day |
| Gamma Log: | No |
| Storativity: |
| Aquifer Test: | No |
| Project: |
| Database: | 1.000 H |
| AEP Data: | Yes |
| Well Field Verified: | No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Printed on: 2/20/98
**NE 21-053-01 W5M**

Well Owner: Marmuir Ltd/Chartrand, Leo
Drilling Contractor: Bar-K Water Well Drilling Ltd.

**WELL NUMBER 07428**

**Elevation (AMSL) (m):** 733
**AEP:** 397093
**Date Started:** 18 Oct 94
**Date Completed:** 19 Oct 94

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<td>Model: Intake (m): 61.0</td>
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<td>from (m): to</td>
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**NE 21-053-01 W5M**

**Well Owner:** Watters, Brad

**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number:** 07429

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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 67.1
- **Verified NPWL (m):** 67.1

### Casing:
- **Type:** Plastic
- **Depth (m):** 69.8
- **Bottom (m):** 69.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 65.5 to 67.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated from (m):**
- **to Size:**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 69.8 to 71.3
- **Size:** 0.01
- **from (m):**
- **to Size:**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):** 69.8

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 68.6
- **Drawdown (m):** 7.6
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<th>Lithologic Description</th>
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<td>43.6</td>
<td>696.8</td>
<td>Sand &amp; Coal Fine Grained Brown</td>
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<td>Till Blue</td>
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<td>53.6</td>
<td>686.7</td>
<td>Sand &amp; Coal Brown</td>
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<td>54.9</td>
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<td>Clay Blue</td>
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<td>59.4</td>
<td>680.9</td>
<td>Sand &amp; Coal Gray</td>
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<td>60.0</td>
<td>680.3</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>73.2</td>
<td>667.2</td>
<td>Sand &amp; Coal Gray</td>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes

**Well Field Verified:** No

---

**Elevation (AMSL) (m):** 740
**AEP:** 385515
**Licence No.:**
**Date Started:** 30 Jun 94
**Easting:** 60,759.38
**Nothing:** 5,936,379.00
**Date Completed:** 30 Jun 94

---

**printed on 2/20/98**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 43.3
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 58.5
  - **Bottom (m):** 58.5
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to 58.5

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

## Screen:
- **Material:** St
- **OD (mm):** 1.2
  - **from (m):** to 58.5
  - **to 60.0**
- **Size:** 0.01
- **Open Hole:**
  - **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 22.8
  - **Time (minute):** 420.0
- **Level End (m):** 5.5
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 22.8

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Vanadium:**
- **Molybdenum:**
- **Calcium:**
- **Hydroxide:**
- **Barium:**
- **Arsenic:**
- **Total Hardness:**
- **Magnesium:**
- **Beryllium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Ion Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

## Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

## Well Number 07430

**Elevation (AMSL) (m):** 782
- **AEP:** 367343
- **Licence No.:**
  - **Easting:** 59,911.54
  - **Northing:** 5,936,825.50
- **Date Started:** 10 Nov 92
- **Date Completed:** 13 Nov 92

**Well Owner:** Arlia, Antonio/Gina

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
Well Number: 07431

NH 21-053-01 W5M

Well Owner: Gardner, Peter
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 758
AEP: 399728
Licence No.: Easting: 60,041.42
Date Started: 30 Aug 94
Nothing: 5,936,360.00
Date Completed: 31 Aug 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 70.1 (m)
NPWL (m): 38.4
Verified NPWL (m): Abandonment:

Casing:
Type: Plastic
Depth (m): 61.3 Bottom (m): 61.3
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: from (m): to

Liner:
Type: Plastic
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): 61.3 to 62.8 Size: 0.01
from (m): to Size:

Open Hole:

Pump:
Model: SSp4c02tl-02
Intake (m): 48.8

Testing:
Rate (lpm): 31.9 Time (minute): 120.0
Level End (m): 44.5 Drawdown (m): 6.1
Rec'd intake (m): 48.8 Rec'd Rate (lpm): 31.9

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 21-053-01 W5M**

**Well Owner:** Brown, Leonard

**Drilling Contractor:** Midwest Water Well Ltd.

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<td><strong>Drilling Method:</strong> Rotary</td>
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<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Potassium:</strong></td>
</tr>
<tr>
<td><strong>Nitrite:</strong></td>
</tr>
<tr>
<td><strong>Molybdenum:</strong></td>
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<tr>
<td><strong>Calcium:</strong></td>
</tr>
<tr>
<td><strong>TN:</strong></td>
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<tr>
<td><strong>Vanadium:</strong></td>
</tr>
<tr>
<td><strong>Magnesium:</strong></td>
</tr>
<tr>
<td><strong>TC:</strong></td>
</tr>
<tr>
<td><strong>Zinc:</strong></td>
</tr>
<tr>
<td><strong>Carbonate:</strong></td>
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<tr>
<td><strong>DIC:</strong></td>
</tr>
<tr>
<td><strong>Hydroxide:</strong></td>
</tr>
<tr>
<td><strong>Bicarbonate:</strong></td>
</tr>
<tr>
<td><strong>Arsenic:</strong></td>
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<tr>
<td><strong>Total Hardness:</strong></td>
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<tr>
<td><strong>Aluminum:</strong></td>
</tr>
<tr>
<td><strong>Barium:</strong></td>
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<tr>
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<td><strong>Beryllium:</strong></td>
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<td><strong>Phosphate:</strong></td>
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<td><strong>Cadmium:</strong></td>
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<td><strong>Ion Balance:</strong></td>
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<td><strong>TOC:</strong></td>
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<td><strong>Copper:</strong></td>
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<td><strong>Total Alkalinity:</strong></td>
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<td><strong>Nitrate&amp;Nitrite N</strong></td>
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<tr>
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<tbody>
<tr>
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<td><strong>AEP Data:</strong> Yes Well Field Verified: No</td>
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**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
**NW 21-053-01 W5M**

**Well Owner:** Garneau, Riel  
**Drilling Contractor:** Kap’s Drilling Ltd.

| General: |  
| --- | --- |  
| Type of Work: **New Well** |  
| Drilling Method: **Rotary** |  
| Well Use: **Domestic** |  
| Completed Depth: 138.4 (m) |  
| NPWL (m): 44.5 |  
| Abandonment: |  
| **Casing:** |  
| Type: **Plastic** |  
| Depth (m): 53.3 |  
| Bottom (m): 53.3 |  
| OD (mm): 141.2 |  
| Thickness (mm): 0.2 |  
| Seal Type: **Cuttings** |  
| from (m): to 51.8 |  
| **Liner:** |  
| Type: |  
| OD (mm): | Thickness (mm): |  
| Top (m): | Bottom (m): |  
| Perforated How: |  
| from (m): to | Size: |  
| from (m): to | Size: |  
| from (m): to | Size: |  
| **Screen:** |  
| Material: St |  
| OD (mm): 1.2 |  
| from (m): 53.3 |  
| to 54.9 | Size: 0.01 |  
| from (m): | to | Size: |  
| Open Hole: |  
| from (m): | to |  
| **Pump:** |  
| Model: | Intake (m): |  
| **Testing:** |  
| Rate (lpm): 41.1 |  
| Time (minute): 180.0 |  
| Level End (m): 48.8 |  
| Drawdown (m): 4.3 |  
| Rec’d intake (m): 53.3 |  
| Rec’d Rate (lpm): 22.8 |  

| Laboratory: |  
| --- | --- |  
| pH (pH unit) | COD | Mercury |  
| Cond. (µS/cm) | SAR | Nickel |  
| TDS | TKN | Selenium |  
| Sodium | Nitrate | Strontium |  
| Potassium | Nitrite | Molybdenum |  
| Calcium | TN | Vanadium |  
| Magnesium | TC | Zinc |  
| Carbonate | DIC | Hydroxide |  
| Bicarbonate | Arsenic | Total Hardness |  
| Aluminum | Barium | Manganese |  
| Sulphate | Beryllium | Phosphate |  
| Chloride | Cadmium | Ion Balance |  
| Fluoride | Chromium | Amm. Nitrogen |  
| Iron | Cobalt | Total Phosphate |  
| TOC | Copper | Total Alkalinity |  
| Silica | Lead | Nitrate & Nitrite N |  

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
**NW 21-053-01 W5M**

**Well Number**: 07434

**Well Owner**: Nowicki, Clayton  
**Drilling Contractor**: Midwest Water Well Ltd.

**Elevation (AMSL) (m)**: 782  
**AEP**: 364754  
**Licence No.**: 59444.80  
**Date Started**: 15 May 92  
**Easting**: 59,944.80  
**Nothing**: 5,936,911.50  
**Date Completed**: 15 May 92

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<td>(m)</td>
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<td><strong>Drilling Method</strong>: Rotary</td>
<td>7.0</td>
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<tr>
<td><strong>Well Use</strong>: Domestic</td>
<td>17.4</td>
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<td><strong>Completed Depth</strong>: 73.2</td>
<td>21.6</td>
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<tr>
<td><strong>NPWL (m)</strong>: 48.8</td>
<td>36.9</td>
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<td>73.2</td>
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<td><strong>Depth (m)</strong>: 70.1</td>
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</tr>
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</tr>
<tr>
<td><strong>OD (mm)</strong>: 152.4</td>
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<tr>
<td>from (m):</td>
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<tr>
<td>to</td>
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<tr>
<td><strong>Thickness (mm)</strong>:</td>
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</tr>
<tr>
<td><strong>Top (m)</strong>:</td>
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<tr>
<td><strong>Bottom (m)</strong>:</td>
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</tr>
<tr>
<td><strong>Perforated How</strong></td>
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</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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<table>
<thead>
<tr>
<th>Screen:</th>
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<td><strong>OD (mm)</strong>: 1.5</td>
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<td>from (m): 70.1</td>
<td>to 71.6</td>
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<td>from (m): to</td>
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<td><strong>Seal Type</strong></td>
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</tr>
<tr>
<td>from (m): to</td>
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<tr>
<td><strong>to</strong></td>
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<tr>
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<tr>
<td><strong>Rate (lpm)</strong>: 136.8</td>
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<td><strong>pH (pH unit)</strong></td>
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<td><strong>Cond. (µS/cm)</strong></td>
<td>SAR</td>
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<tr>
<td><strong>TDS</strong></td>
<td>TKN</td>
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<tr>
<td><strong>Sodium</strong></td>
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<tr>
<td><strong>Potassium</strong></td>
<td>Nitrite</td>
</tr>
<tr>
<td><strong>Calcium</strong></td>
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</tr>
<tr>
<td><strong>Magnesium</strong></td>
<td>TC</td>
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<tr>
<td><strong>Carbonate</strong></td>
<td>DIC</td>
</tr>
<tr>
<td><strong>Bicarbonate</strong></td>
<td>Arsenic</td>
</tr>
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<td><strong>Aluminium</strong></td>
<td>Barium</td>
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<tr>
<td><strong>Sulphate</strong></td>
<td>Beryllum</td>
</tr>
<tr>
<td><strong>Chloride</strong></td>
<td>Cadmium</td>
</tr>
<tr>
<td><strong>Fluoride</strong></td>
<td>Chromium</td>
</tr>
<tr>
<td><strong>Iron</strong></td>
<td>Cobalt</td>
</tr>
<tr>
<td><strong>TOC</strong></td>
<td>Copper</td>
</tr>
<tr>
<td><strong>Silica</strong></td>
<td>Lead</td>
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<tr>
<td><strong>DIC</strong></td>
<td>Hydroxide</td>
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<td><strong>Electric Log</strong>: No</td>
<td>Transmissivity: m²/day</td>
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<td><strong>Gamma Log</strong>: No</td>
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<tr>
<td><strong>AEP Data</strong>: Yes</td>
<td>Well Field Verified: No</td>
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**Remarks**: Water Well Positioned by PFRA in 10TM NAD 27
SE 21-053-01 W5M

Well Owner: Addey, Doug
Drilling Contractor: Kap'S Drilling Ltd.

Elevation (AMSL) (m): 756
AEP: 380521
 Licence No.: Easting: 60,985.37
Date Started: 10 Nov 92 Northing: 5,935,817.50
Date Completed: 11 Nov 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 50.3 (m)
NPWL (m): 34.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 45.7 Bottom (m): 45.7
OD (mm): 141.2 Thickness (mm): 0.2
Seal Type: Cuttings
from (m): to 42.7

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.2
from (m): 45.7 to 47.2 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Berkley 7mg11
Intake (m): 45.7

Testing:
Rate (lpm): 27.4 Time (minute): 360.0
Level End (m): 44.2 Drawdown (m): 10.1
Rec'd Rate (lpm): 44.2 Rec'd intake (m): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 72.2 m
  - NPWL (m): Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to
- **Liner:**
  - **Type:**
    - from (m): to Size:
    - from (m): to Size:
  - **OD (mm):** Thickness (mm):
    - Top (m): Bottom (m):
  - **Perforated How:** from (m): to Size: from (m): to Size: from (m): to Size:
- **Screen:**
  - **Material:**
    - from (m): to Size:
    - from (m): to Size:
  - **OD (mm):** Thickness (mm):
- **Open Hole:** from (m): to
- **Pump:**
  - **Model:** Intake (m):
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Depth Elevation
- **(BGL) (AMSL):**
  - **Lithologic Description**

| Lithologic Description | (No Lithologic Information Available) |

### Laboratory:
- **pH (pH unit):** COD
  - Mercury
- **Cond. (µS/cm):** SAR
  - Nickel
- **TDS:** TKN
  - Selenium
- **Sodium:** Nitrate
  - Strontium
- **Potassium:** Nitrite
  - Molybdenum
- **Calcium:** TN
  - Vanadium
- **Magnesium:** TC
  - Zinc
- **Carbonate:** DIC
  - Hydroxide
- **Bicarbonate:** Arsenic
  - Total Hardness
- **Aluminum:** Barium
  - Manganese
- **Sulphate:** Beryllium
  - Phosphate
- **Chloride:** Cadmium
  - Ion Balance
- **Fluoride:** Chromium
  - Amm. Nitrogen
- **Iron:** Cobalt
  - Total Phosphate
- **TOC:** Copper
  - Total Alkalinity
- **Silica:** Lead
  - Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
  - **Model:** Intake (m):
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 07436

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<th>AEP:</th>
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<td>367901</td>
<td>60,818.11</td>
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<th>Elevation (AMSL) (m):</th>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 07437

Well Owner: Hodgetts, Adrian
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 768
Licence No.: Easting: 60,610.88
Date Started: 31 May 94
Northing: 5,936,024.50
Date Completed: 01 Jun 94

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>(m)</td>
<td>(m)</td>
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<td><strong>Lithologic Description</strong></td>
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<td>Well Use: Domestic</td>
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<tr>
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<td>from (m): to</td>
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<tr>
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<tr>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Pump:</td>
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<tr>
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<tr>
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<tr>
<td>Rec'd Rate (lpm): 31.9</td>
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Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 21-053-01 W5M**

**Well Owner:** Kupka, Gary  
**Drilling Contractor:** Unknown Driller

---

**General:**  
**Type of Work:** Chemistry  
**Drilling Method:** Not Applicable  
**Well Use:** Domestic  
**Completed Depth:** (m)  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:**

**Casing:**  
**Type:**  
**Depth (m):** Bottom (m):  
**OD (mm):** Thickness (mm):  
**Seal Type:**  
**from (m):** to  

**Liner:**  
**Type:**  
**OD (mm):** Thickness (mm):  
**Top (m):** Bottom (m):  
**Perforated How:**  
**from (m):** to **Size:**  
**from (m):** to **Size:**  
**from (m):** to **Size:**

**Screen:**  
**Material:**  
**OD (mm):**  
**from (m):** to **Size:**  
**from (m):** to **Size:**

**Open Hole:**  
**from (m):** to

**Pump:**  
**Model:** Intake (m):  
**Testing:**  
**Rate (lpm):** Time (minute):  
**Level End (m):** Drawdown (m):  
**Rec'd intake (m):** Rec'd Rate (lpm):

---

**Laboratory:**  
**pH (pH unit):** COD Mercury  
**Cond. (µS/cm):** SAR Nickel  
**TDS:** TKN Selenium  
**Sodium:** Nitrate Strontium  
**Potassium:** Nitrite Molybdenum  
**Calcium:** TN Vanadium  
**Magnesium:** TC Zinc  
**Carbonate:** DIC Hydroxide  
**Bicarbonate:** Arsenic Total Hardness  
**Aluminium:** Barium Manganese  
**Sulphate:** Beryllium Phosphate  
**Chloride:** Cadmium Ion Balance  
**Fluoride:** Chromium Amm. Nitrogen  
**Iron:** Cobalt Total Phosphate  
**TOC:** Copper Total Alkalinity  
**Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Well Number 07438**  
**Elevation (AMSL) (m):** 767  
**AEP:** 356908  
**Licence No.:** Easting: 60,818.11  
**Date Started:** Northing: 5,935,790.50  
**Date Completed:**

**Depth Elevation Lithologic Description**  
**(BGL) (AMSL) (m) (m)**

**(No Lithologic Information Available)**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes Well Field Verified: No
**SE 21-053-01 W5M**

Well Owner: *Kupka, Gary*

Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 38.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 47.2
- **Bottom (m):** 47.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 47.2

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 47.2 to 48.8
- **Size:** 0.01
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Gould 7g05412
- **Intake (m):** 41.8

### Testing:
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 39.6
- **Drawdown (m):** 1.5
- **Rec'd Rate (lpm):** 63.9

---

### Laboratory:

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<th>Unit</th>
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<td>Cond.</td>
<td>(µS/cm)</td>
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<tr>
<td>TDS</td>
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<td>Sodium</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 33.5 m
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 70.7
- **Bottom (m):** 70.7
- **OD (mm):** 152.4 mm
- **Thickness (mm):** 0.1 mm
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 50.3

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Perforated How:**
- **size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 70.7
- **to:** 72.2
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 12.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**SE 21-053-01 W5M**

**Well Owner:** Phillips, Ken  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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**General:**
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Rotary  
- **Well Use:** Domestic
- **Completed Depth:** 70.1 (m)  
- **NPWL (m):** 41.2  
- **Verified NPWL (m):** 08 Jul 92

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 64.0  
- **Bottom (m):** 64.0  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0  
- **Seal Type:** from (m): to

**Liner:**
- **Type:** St  
- **OD (mm):** 6.9  
- **Thickness (mm):** from (m): to Size: 0.01  
- **Top (m):** to Size:

**Screen:**
- **Material:** St  
- **OD (mm):** from (m): to Size: 0.01  
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
- **Rate (lpm):** 34.2  
- **Time (minute):** 420.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 1.5  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Depth Elevation**
- (BGL) (AMSL)  

<table>
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<th>(m)</th>
<th>(m)</th>
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<td>31.4</td>
<td>739.9</td>
<td>Clay Silty Yellow</td>
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<td>32.0</td>
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<td>701.2</td>
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**Electric Log:** No  
**Transmissivity:** m²/day
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H
**AEP Data:** Yes  
**Well Field Verified:** No

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printed on 2/20/98
**SE 21-053-01 W5M**

**Well Owner:** Phillips, Ken  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 131.1 (m)  
**NPWL (m):** 48.8  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic

**Depth (m):** 90.8  
**Bottom (m):** 90.8

**OD (mm):** 152.4  
**Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentoni

- **from (m):** 88.4  
- **to:** 90.8

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1

**Top (m):** 88.4  
**Bottom (m):** 131.1

**Perforated How:** Saw

- **from (m):** 100.6  
- **to:** 131.1  
- **Size:**

- **from (m):**  
- **to:**

**Screen:**
- **Material:**
- **OD (mm):**

- **from (m):**  
- **to:**

- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**

**Intake (m):** 100.6

**Testing:**
- **Rate (lpm):** 18.2  
- **Time (minute):** 180.0

**Level End (m):** 100.6  
**Drawdown (m):** 51.8

**Rec'd Rate (lpm):**
**Rec'd intake (m):** 100.6

---

**Laboratory:**

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<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
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<th>(m)</th>
<th>Lithologic Description</th>
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<td>757.0</td>
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<td>743.0</td>
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<td>28.0</td>
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<td>131.1</td>
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**Laboratory Results:**

- **COD:** 0.1 mg/l (ppm)
- **PH:** 7.8
- **pH (pH unit):** 7.8
- **SAR:** 15 µS/cm
- **Nickel:** 122 µg/l (ppm)
- **Selenium:** 319 µg/l (ppm)
- **Molybdenum:** 213 µg/l (ppm)
- **Vanadium:** 213 µg/l (ppm)
- **Zinc:** 213 µg/l (ppm)
- **Hydroxide:** 112 µg/l (ppm)
- **Amm. Nitrogen:** 112 µg/l (ppm)
- **Cobalt:** 112 µg/l (ppm)
- **Total Alkalinity:** 112 µg/l (ppm)
- **Lead:** 112 µg/l (ppm)
- **Nitrate & Nitrite N:** 112 µg/l (ppm)

**Database:** Project: 1.000H

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number:** 07442  
**Elevation (AMSL) (m):** 762  
**AEP:** 365360  
**Licence No.:** Easting: 60,741.14  
**Date Started:** 30 Jun 92  
**Northing:** 5,935,804.00  
**Date Completed:** 07 Jul 92

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
Water Well Positioned by PFRA in 10TM NAD 27

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<th>Laboratory:</th>
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<td>COD</td>
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<th>Well Number: 07443</th>
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<td>Well Owner: Poudrier, Tom</td>
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<tr>
<td>Drilling Contractor: McGinn, Gerald Drilling Ltd.</td>
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<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth: 59.4 m</td>
<td>7.6 755.6 Clay Yellow</td>
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<td>NPWL (m): 30.5 m</td>
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<td>10.7 752.6 Clay Yellow</td>
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<td>Casings:</td>
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<td>Depth (m): 54.9 m Bottom (m): 54.9</td>
<td>33.5 729.7 Clay Blue</td>
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<td>OD (mm): 141.2 mm Thickness (mm):</td>
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<td>Seal Type:</td>
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<td>from (m): to</td>
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<tr>
<td>Liner:</td>
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<tr>
<td>Type:</td>
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<td>OD (mm): Thickness (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>Screen:</td>
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<tr>
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<td>Open Hole:</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>Pump:</td>
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<td>Model:</td>
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**Well Number: 07444**

**Well Owner:** Siebert, Cory  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 765  
**AEP:** 397092  
**Licence No.:**  
**Date Started:** 01 Nov 93  
**Date Completed:** 01 Nov 93  

**Well Number:** SE 21-053-01 W5M

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<td>(m)</td>
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<th>Open Hole:</th>
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<td>TKN</td>
<td>Selenium</td>
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<th>Remarks:</th>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Water Well Positioned by PFRA in 10TM NAD 27  

printed on 2/20/98
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 91.4 m
- **NPWL (m):** 60,399.21
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:** m²/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**
- **Database:** 1.000H

## AEP Data:
- **Yes** Well Field Verified: No

---

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 106.1 (m)
- **NPWL (m):** 43.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Plastic
- **Depth (m):** 67.4
- **Bottom (m):** 67.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** from (m):  to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m):  to  Size:
    - from (m):  to  Size:
    - from (m):  to  Size:
- **Screen:**
  - **Material:** St
  - **OD (mm):** 1.5
  - **from (m):** to 68.9
  - **Size:** 0.01
  - **from (m):** to
- **Open Hole:** from (m):  to
- **Pump:**
  - **Model:**
  - **Intake (m):** 68.9
- **Testing:**
  - **Rate (lpm):** 36.5
  - **Time (minute):** 180.0
  - **Level End (m):** 57.9
  - **Drawdown (m):** 14.9
  - **Rec’d intake (m):** 61.0
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Calcium:**
- **Nitrite:**
- **Molybdenum:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Well Number 07446
- **Elevation (AMSL) (m):** 767
- **AEP:** 366234
- **Licence No.:**
- **Easting:** 60,818.11
- **Northing:** 5,935,790.50
- **Date Started:** 04 Aug 92
- **Date Completed:** 08 Aug 92

### Depth Elevation

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<td>34.4</td>
<td>732.3</td>
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<td>36.6</td>
<td>730.1</td>
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<td>40.2</td>
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<td>53.6</td>
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<td>706.4</td>
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<td>74.4</td>
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<td>106.1</td>
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### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 70.1 m
- NPWL (m): 42.7
- Verified NPWL (m): 
- Abandonment:

**Casing:**
- Type: Steel
- Depth (m): 62.5
- Bottom (m): 62.5
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: 
- from (m): to

**Liner:**
- Type: 
- OD (mm): 
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size: 
- from (m): to Size: 
- from (m): to Size: 

**Screen:**
- Material: St
- OD (mm): 1.2
- from (m): 62.5 to 64.0
- Size: 0.15
- Thickness (mm): 
- from (m): to Size: 

**Open Hole:**
- from (m): to 

**Pump:**
- Model: 
- Intake (m):
- Testing:
- Rate (lpm): 22.8
- Time (minute): 420.0
- Level End (m): 51.8
- Drawdown (m): 9.1
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 109.7 (m)
- **NPWL (m):** 42.7
- **Abandonment:** Unknown

### Casing:
- **Type:** Steel
- **Depth (m):** 91.4
- **Bottom (m):** 91.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **From (m):** 61.0
- **To:** 74.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 73.2
- **Bottom (m):** 109.7
- **Perforated How:** Other
- **From (m):** 91.4
- **To:** 109.7
- **Size:**
- **From (m):**
- **To:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **From (m):**
- **To:**
- **Size:**

### Open Hole:
- **From (m):**
- **To:**

### Pump:
- **Model:** Gould
- **Intake (m):** 78.6

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):**
- **Level End (m):** 76.2
- **Drawdown (m):** 33.5
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**
- **From (m):**
- **To:**
- **Size:**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **No**
- **Transmissivity:**
- **m³/day**
- **Gamma Log:**
- **No**
- **Storativity:**
- **Aquifer Test:**
- **No**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 57.9 m
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 54.0
- **Bottom (m):** 54.0
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **Thickness (mm):** Size: 0.01
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 54.0 to 55.5
- **Size:** 0.01
- **Thickness (mm):** Size: 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 36.6
- **Drawdown (m):** 12.2
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Arsenic
- **Barium:** Total Hardness
- **Beryllium:** Manganese
- **Sulphate:** Phosphate
- **Chromium:** Iodine Balance
- **Cadmium:** Amm. Nitrogen
- **Fluoride:** Cobalt
- **Iron:** Total Phosphate
- **TOC:** Copper
- **Silica:** Total Alkalinity
- **Lead:** Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes** Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 32.0
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 55.2
- **Bottom (m):** 55.2
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1

**Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

**Perforated How:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** to 56.7
- **Size:** 0.02

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd Intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

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<th>Lithologic Description</th>
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<td>57.9</td>
<td>707.3</td>
<td>Sand &amp; Coal</td>
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<td>64.0</td>
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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**SE 22-053-01 W5M**

**Well Owner:** Cust, Jim  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 748  
**AEP:** 353491  
**Licence No.:** Easting: 62,138.07  
**Date Started:** 20 Nov 90  
**Northing:** 5,935,742.50  
**Date Completed:** 21 Nov 90

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<td><strong>Seal Type:</strong></td>
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<td><strong>from (m):</strong></td>
<td><strong>to</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
<td><strong>to</strong></td>
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<td><strong>Pump:</strong></td>
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<tr>
<td><strong>Model:</strong></td>
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<tr>
<td><strong>Intake (m):</strong></td>
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<td><strong>Rec’d intake (m):</strong></td>
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<td><strong>TDS:</strong></td>
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</tr>
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<td><strong>Sodium:</strong></td>
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<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Printed on 2/20/98**
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<th>Elevation (BGL) (AMSL)</th>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
SE 22-053-01 W5M

Well Owner: Grey, Ralph
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 07453
Elevation (AMSL) (m): 755
AEP: 373937
Licence No.: Easting: 62,160.21
Date Started: 01 Oct 93
Northing: 5,935,675.00
Date Completed: 01 Oct 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 54.9 (m)
NPWL (m): 34.3
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 51.5
Bottom (m): 51.5
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 45.7

Liner:
Type:
OD (mm):
Top (m):
Thickmess (mm):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): to 51.5
Bottom (m): 53.0
Size: 0.12
from (m): to Size:

Open Hole:
from (m):

Pump:
Model:
Intake (m): 52.4

Testing:
Rec'd Rate (lpm): 59.3
Time (minute): 260.0
Level End (m): 38.7
Drawdown (m): 4.3
Rec'd intake (m): 45.7
Rec'd Rate (lpm): 45.6

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminum
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Nature of Work:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 54.9 (m)
NPWL (m): 34.3
Verified NPWL (m):
Abandonment:

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Top (m):
Thickness (mm):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): to 51.5
Bottom (m): 53.0
Size: 0.12
from (m): to Size:

Open Hole:
from (m):

Pump:
Model:
Intake (m): 52.4

Testing:
Rec'd Rate (lpm): 59.3
Time (minute): 260.0
Level End (m): 38.7
Drawdown (m): 4.3
Rec'd intake (m): 45.7
Rec'd Rate (lpm): 45.6

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminum
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

<table>
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<tr>
<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Verified NPWL (m):</th>
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</thead>
<tbody>
<tr>
<td>82.3</td>
<td>30.5</td>
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## Abandonment:
- **Type:** Plastic
- **Depth:** 57.6
- **Bottom:** 57.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

## Liner:
- **Type:** Formation Seal
- **Depth:** 57.6

## Screen:
- **Material:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 54.0
  - **Bottom (m):** 81.4

## Pump:
- **Model:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 12.2
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

## Testing:
- **Intake (m):**
- **Rate (lpm):**
- **Drawdown (m):**

## Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:** Yes

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07454

**Elevation (AMSL) (m):** 753

**AEP:** 369289

**Licence No.:**

**Date Started:** 28 Apr 93

**Date Completed:** 29 Apr 93

**East:** 5,935,749.50

**No**

**No**

**No**

**1.000H**

**No**

**Yes**

**No**

**No**

**No**

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 07455

**SE 22-053-01 W5M**

**Well Owner:** Smith, Bill  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 756  
**AEP:** 393682  
**Licence No.:** Easting: 62,092.62  
**Date Started:** 28 Sep 94  
**Nothing:** 5,935,510.50  
**Date Completed:** 28 Sep 94

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<th>Lithologic Description</th>
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<td>Type of Work: New Well</td>
<td>(BGL) (AMSL) (m) (m)</td>
<td>(m) (m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>33.5 722.5</td>
<td>Till Brown</td>
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<tr>
<td>Well Use: Domestic</td>
<td>35.0 720.9</td>
<td>Clay &amp; Sand</td>
</tr>
<tr>
<td>Completed Depth 54.3</td>
<td>50.3 706.7</td>
<td>Clay Sandy Gray</td>
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<tr>
<td>NPWL (m): 28.4</td>
<td>54.3 701.7</td>
<td>Sand Fine Grained</td>
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<tbody>
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<td>Depth (m): 52.1</td>
<td>Bottom (m): 52.1</td>
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<tr>
<td>OD (mm): 152.4</td>
<td>Thickness (mm): 0.2</td>
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<tr>
<td>Seal Type: Bentonite Chips/Tabl</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
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<thead>
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<th>Screen:</th>
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</thead>
<tbody>
<tr>
<td>Material: St</td>
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</tr>
<tr>
<td>OD (mm): 1.2</td>
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<tr>
<td>from (m): 52.1 to 53.6</td>
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<td>from (m): to</td>
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<tr>
<td>Open Hole:</td>
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<tr>
<td>from (m): to</td>
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<tr>
<th>Pump:</th>
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<tr>
<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<td>Testing:</td>
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<tr>
<td>Rate (lpm): 22.8</td>
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<tr>
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<td>Drawdown (m): 5.2</td>
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<td>Rec'd Rate (lpm): 31.9</td>
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<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remark:</th>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td></td>
<td>Electric Log: No</td>
</tr>
<tr>
<td></td>
<td>Gamma Log: No</td>
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<tr>
<td></td>
<td>Aquifer Test: No</td>
</tr>
<tr>
<td></td>
<td>Project:</td>
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<tr>
<td></td>
<td>AEP Data: Yes</td>
</tr>
<tr>
<td></td>
<td>Well Field Verified: No</td>
</tr>
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</table>

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
## SE 22-053-01 W5M

**Well Number:** 07456

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:
- **Open Hole:** from (m): to

### Pump:
- **Model:** Intake (m):
- **Testing:**
  - Rate (lpm):
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec'd intake (m): Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log: No Transmissivity: m³/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

*Water Well Positioned by PFRA in 10TM NAD 27*
SE 22-053-01 W5M

Well Owner: Wilhey, Warren
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 757
AEP: 397094
Licence No.: 06 Oct 93
Date Started: 06 Oct 93
Date Completed: 08 Oct 93
Eastings: 62,155.55
Northings: 5,935,477.00

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<th>General</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m) (m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>Lithologic</td>
</tr>
<tr>
<td>Completed Depth: 40.5</td>
<td>Description</td>
</tr>
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<td>NPWL (m): 24.4</td>
<td>(m) (m)</td>
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<td>Abandonment:</td>
<td></td>
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<tr>
<td></td>
<td></td>
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<tr>
<td>Casing:</td>
<td>27.4 729.2</td>
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<tr>
<td>Type: Plastic</td>
<td>Clay Silty Yellow</td>
</tr>
<tr>
<td>Depth (m): 37.5</td>
<td>30.5 726.1</td>
</tr>
<tr>
<td>Bottom (m): 37.5</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>OD (mm): 152.4</td>
<td>40.5 716.1</td>
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<tr>
<td>Thickness (mm): 0.1</td>
<td>Sand</td>
</tr>
<tr>
<td>Seal Type: Formation Seal</td>
<td></td>
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<tr>
<td>from (m): to 37.5</td>
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</table>

| Liner:                    |                  |
| Type: Plastic             |                 |
| OD (mm):                  | Thickness (mm):  |
| Top (m):                  | Bottom (m):      |
| Perforated How:           | from (m): to     |
| from (m): to Size:        |
| from (m): to Size:        |
| from (m): to Size:        |

| Screen:                   |                  |
| Material: St              |                 |
| OD (mm): 1.2              | Size: 0.01      |
| from (m): 37.5 to 39.0    |                 |
| from (m): to Size:        |
| Open Hole:                |                  |
| from (m): to              |                 |

| Pump:                     |                  |
| Model:                    | Intake (m):      |
| Rate (lpm): 31.9          | Time (minute): 420.0 |
| Level End (m): 30.5       | Drawdown (m): 6.1 |
| Rec'd intake (m): 30.5    | Rec'd Rate (lpm): 31.9 |

| Laboratory:               |
| pH (pH unit)              | COD               |
| Cond. (µS/cm)             | Mercury           |
| TDS                       | SAR               |
| Sodium                    | Nickel            |
| Nitrate                   | Selenium          |
| Potassium                 | Molybdenum        |
| Calcium                   | Vanadium          |
| Magnesium                 | Zinc              |
| Carbonate                 | Hydroxide         |
| Bicarbonate               | Total Hardness    |
| Aluminium                 | Manganese         |
| Sulphate                  | Phosphate         |
| Chloride                  | Total Alkalinity  |
| Fluoride                  | Total Phosphate   |
| Iron                      | Cobalt            |
| TOC                       | Copper            |
| Silicon                   | Lead              |
| Black Carbonate           | Nitrate&Nitrite N |
| DIC                       | Hydroxide         |
| Electric Log: No          | Transmissivity: m³/day |
| Gamma Log: No             | Storativity:      |
| Aquifer Test: No          |                   |
| Project: 1.000H           |                   |
| Remarks:                  |

Water Well Positioned by PFRA in 10TM NAD 27
**NW 24-053-01 W5M**

**Well Owner:** Jespersen, Norman  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Well Number 07458**

| Elevation (AMSL) (m): | 719  |
| AEP: | 399730 |
| Licence No.: | 64,882.77 |
| Date Started: | 17 Oct 94 |
| Date Completed: | 19 Oct 94 |
| Easting: | 5,936.551.00 |
| Northing: | 64,882.77 |

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<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>**(BGL) (AMSL) **</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Elevation</strong></td>
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<tr>
<td><strong>Completed Depth:</strong> 96.0 (m)</td>
<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
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<tr>
<td><strong>NPWL (m):</strong> 14.0</td>
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<td><strong>Abandonment:</strong></td>
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<th>Liner:</th>
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<td><strong>Type:</strong></td>
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<td><strong>Depth (m):</strong></td>
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<td><strong>OD (mm):</strong></td>
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<th>Open Hole:</th>
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<tr>
<td><strong>OD (mm):</strong></td>
<td>from (m): to</td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td>to</td>
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<tr>
<td><strong>from (m):</strong></td>
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<th>Testing:</th>
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<td><strong>Rate (lpm):</strong> 11.4</td>
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<td><strong>Intake (m):</strong> 61.0</td>
<td><strong>Level End (m):</strong> 54.9</td>
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<td><strong>Rec'd Rate (lpm):</strong> 61.0</td>
<td><strong>Rec'd intake (m):</strong> 9.1</td>
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| Laboratory: | Electric Log: | Transmissivity: |
| --- | --- | m²/day |
| **pH (pH unit):** | No | Gamma Log: | No | Storativity: |
| **Cond. (µS/cm):** | **Copper** | **Total Alkalinity** | **Iron** | **Total Phosphate** |
| **SAR:** | **Nickel** | **Cadmium** | **Cobalt** | **Total Hardness** |
| **TDS:** | **Selenium** | **Vanadium** | **Chromium** | **Amm. Nitrogen** |
| **Nitrate:** | **Sodium** | **Molybdenum** | **Cadmium** | **Manganese** |
| **Chloride:** | **Barium** | **Phosphate** | **Cadium** | **Lead** |
| **Sulphate:** | **Calcium** | **Ion Balance** | **Cromium** | **Nitrate & Nitrite N** |
| **Bicarbonate:** | **DIC** | **Amm. Nitrogen** | **Chloride** | **Phosphate** |
| **Carbonate:** | **Hydroxide** | **Sulphate** | **Iron** | **Nickel** |
| **Berenium:** | **Arsenic** | **Total Hardness** | **Aluminum** | **Nickel** |
| **Barium:** | **Selenium** | **Total Alkalinity** | **Potassium** | **Total Hardness** |
| **Sodium:** | **Nitrate** | **Transmissivity:** | **Manganese** | **Total Alkalinity** |
| **Chloride:** | **Nitrate** | **Gamma Log:** | **Sodium** | **Total Alkalinity** |
| **Sulphate:** | **Phosphate** | **Aquifer Test:** | **Potassium** | **Total Alkalinity** |
| **Chloride:** | **Calcium** | **Database:** | **Total Alkalinity** | **Total Hardness** |
| **Sulphate:** | **Magnesium** | **Lead:** | **Total Hardness** | **Total Hardness** |
| **Calcium:** | **Zinc** | **Nitrate & Nitrite N:** | **Nitrate** | **Total Alkalinity** |
| **Magnesium:** | **Iron** | **Nickel:** | **Total Alkalinity** | **Total Hardness** |
| **Barium:** | **Aluminum** | **Copper:** | **Total Alkalinity** | **Total Hardness** |
| **Beryllium:** | **Bacterium** | **Nickel:** | **Total Alkalinity** | **Total Hardness** |
| **Cadmium:** | **Identified:** | **Sodium:** | **Total Alkalinity** | **Total Hardness** |
| **Chromium:** | **Vanadium** | **Total Alkalinity** | **Iron** | **Total Alkalinity** |
| **Manganese:** | **Cadium** | **Total Alkalinity** | **Arsenic** | **Total Alkalinity** |
| **Iron:** | **Cadium** | **Total Alkalinity** | **Barium** | **Total Alkalinity** |
| **TOC:** | **Cadium** | **Total Alkalinity** | **Iron** | **Total Alkalinity** |
| **Silica:** | **Lead** | **Storativity:** | **Iron** | **Total Alkalinity** |
| **Iron:** | **Cadium** | **Aquifer Test:** | **Iron** | **Total Alkalinity** |
| **Silica:** | | **Gamma Log:** | **Iron** | **Total Alkalinity** |
| **Lead:** | | | **Iron** | **Total Alkalinity** |
| **Silica:** | | | | **Total Alkalinity** |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number 07459**

**NW 24-053-01 W5M**

**Well Owner:** Jesperson, James  
**Drilling Contractor:** D&D Water Well Drilling & Services

**General:**
- Type of Work: Old Well-Abandoned  
- Drilling Method: Unknown  
- Well Use: Unknown  
- Completed Depth (m): Unknown  
- NPWL (m): Unknown  
- Abandonment: Bentonite Product 24 Oct 95

**Casing:**
- Type:  
- Depth (m): Bottom (m):  
- OD (mm): Thickness (mm):  
- Seal Type:  
- from (m): to  
- Liner:  
- Type:  
- OD (mm): Thickness (mm):  
- Top (m): Bottom (m):  
- Perforated How:  
- from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

**Screen:**
- Material:  
- OD (mm):  
- from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:  
- Intake (m):  
- Rate (lpm): Time (minute):  
- Level End (m): Drawdown (m):  
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium:  
- Potassium:  
- Calcium:  
- Magnesium:  
- Carbonate:  
- Bicarbonate:  
- Aluminium:  
- Sulphate:  
- Chloride:  
- Fluoride:  
- Iron:  
- TOC:  
- Silicona:  
- COD:  
- SAR:  
- TKN:  
- Nitrate:  
- Molybdenum:  
- Vanadium:  
- Zinc:  
- Hydroxide:  
- Total Hardness:  
- Manganese:  
- Phosphate:  
- Ion Balance:  
- Amm. Nitrogen:  
- Total Phosphate:  
- Copper:  
- Total Alkalinity:  
- Lead:  
- Nitrate&Nitrite N:  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Elevation (AMSL) (m):** 718  
**Licence No.:** AEP 418256  
**Date Started:** 64,874.68  
**Date Completed:** 5,936,379.32

**Depth Elevation**
- (BGL) (AMSL)
- (m) (m)

**Lithologic Description**
- (No Lithologic Information Available)

**Gorun Log:**
- No  
- Transmissivity: m²/day  
- Storativity:  
- Aquifer Test: No  
- Project: Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No

- printed on 2/20/98
### Well Details

**Well Number:** 07460  
**Well Owner:** Jesperson, James  
**Drilling Contractor:** D&D Water Well Drilling & Services

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<td>26.5</td>
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<tr>
<td>28.7</td>
<td>690.3</td>
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<td>36.0</td>
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<td>38.1</td>
<td>680.8</td>
<td>Clay Yellow</td>
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### General Details

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock

### Completion Details

- **Completed Depth:** 38.1 (m)  
- **NPWL (m):** 11.9  
- **Verified NPWL (m):**

### Abandonment Details

### Casting Details

- **Type:** Plastic
- **Depth (m):** 33.5  
- **Bottom (m):** 33.5
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tablet
- **from (m):** 17.1

### Liner Details

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### Screen Details

- **Material:** St  
- **OD (mm):** 1.5
- **from (m):** 33.5  
- **to (m):** 35.0
- **Size:** 0.01

### Open Hole Details

- **from (m):**
- **to (m):**

### Pump Details

- **Model:** Intake (m): 35.0
- **Rate (lpm):** Time (minute): 120.0
- **Level End (m):** 20.4  
- **Drawdown (m):** 8.5
- **Receivable Rate (lpm):** 27.4  
- **Rec'd intake (m):** 22.8

### Laboratory Results

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **TOC:** Lead  
- **Silica:** Nitrate & Nitrite N

### Remarks

- Water Well Positioned by PFRA in 10TM NAD 27

*Printed on 2/20/98*
SE 24-053-01 W5M

Well Owner: Oliver, George/Pat
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 07461
Elevation (AMSL) (m): 710
Lithologic Description

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<tr>
<td>44.2</td>
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<td>Clay Blue</td>
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Date Started: 18 Jan 94
Date Completed: 18 Jan 94
Licence No.: Easting: 65,681.55
Northing: 5,936,077.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 44.2 (m)
NPWL (m): 7.9
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 39.3
Bottom (m): 39.3
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 28.4

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): 39.3 to 40.8
Size: 0.01

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 40.8

Testing:
Rate (lpm): 228.1
Time (minute): 120.0
Level End (m): 11.0
Drawdown (m): 3.1
Rec'd intake (m): 15.2
Rec'd Rate (lpm): 22.8

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<td>Permeability</td>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
SE 24-053-01 W5M

Well Owner: Vandal, Roland
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 707
AEP: 366235
Licence No.: 24-053-01
Date Started: 25 Aug 92
Norting: 5,935,641.50
Date Completed: 27 Aug 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 86.0 (m)
NPWL (m): 3.7
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 56.1
Bottom (m): 56.1
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): to 56.1

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 54.9
Bottom (m): 86.0

Perforated How: Saw
from (m): 61.0 to 85.3
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m):

Pump:
Model:
Intake (m): 86.0

Testing:
Rate (lpm): 16.0
Time (minute): 120.0
Level End (m): 67.1
Drawdown (m): 63.4
Rec'd intake (m): 73.2
Rec'd Rate (lpm): 13.7

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 34.8 (m)  
- **NPWL (m):** 14.6  
- **Verified NPWL (m):**  
- **Abandonment:**  

#### Casing:
- **Type:** Plastic  
- **Depth (m):** 32.9  
- **Bottom (m):** 32.9  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** from (m): to  

#### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:** from (m): to  
- **Size:** from (m): to  

#### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 32.9 to 34.1  
- **Size:** 0.01  
- **from (m):** to  
- **from (m):** to  

#### Open Hole:
- **from (m):** to  

#### Pump:
- **Model:**  
- **Intake (m):**  

#### Testing:
- **Rate (lpm):** 63.9  
- **Time (minute):** 240.0  
- **Level End (m):** 34.1  
- **Drawdown (m):** 19.5  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):** COD  
- **SAR:Nickel:**  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  

### Lithologic Description:
- **Depth:** (m)  
- **Elevation:** (AMSL) (m):  
- **Lithologic Description:**  
- **Clay Sandy:** 11.6  
- **719.5:**  
- **Sand:** 14.6  
- **716.4:**  
- **Silt Sandy:** 28.0  
- **703.0:**  
- **Sand:** 28.7  
- **702.4:**  
- **Silt Sandy:** 32.0  
- **699.1:**  
- **Sand:** 34.1  
- **696.9:**  
- **Till:** 34.8  
- **696.3:**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H

### Chemical Constituents:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 07463  
**Elevation (AMSL) (m):** 731  
**AEP:** 351059  
**Licence No.:**  
**Date Started:** 03 Oct 89  
**Eastings:** 65,938.46  
**Date Completed:** 05 Oct 89  
**Nortings:** 5,938,273.50  
**Double R Drlg:**  
**Well Owner:** Muir Lake Alliance Church  
**Drilling Contractor:** Double R Drig  
**07463NE 25-053-01 W5M:**
**NE 25-053-01 W5M**

**Well Owner:** Muir Lake School  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 731  
**Licence No.:** 731

**Well Number:** 07464  
**AEP:** 363256

**Date Started:**  
**Easting:** 65,938.46

**Date Completed:**  
**Northing:** 5,938,273.50

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Electric Log: No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
### General:
- **Well owner:** Benning, Brian
- **Drilling contractor:** Marwayne Water Well Drilling Services Lt
- **Well number:** NW 26-053-01 W5M
- **Elevation (AMSL) (m):** 746
- **AEP:** 387044
- **Date started:** 26 Jul 94
- **Date completed:** 26 Jul 94

#### Lithologic Description

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#### Well Information

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Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Printed on:** 2/20/98
# NW 26-053-01 W5M

**Well Owner:** Kelm, Henry  
**Drilling Contractor:** Inglis Water Well Drilling

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<th>Elevation (AMSL) (m):</th>
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<td>Licence No.:</td>
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<td>Date Started:</td>
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<td>Date Completed:</td>
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**General:**

<table>
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<th>Type of Work:</th>
<th>New Well</th>
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<tr>
<td>Drilling Method:</td>
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<td>Well Use:</td>
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<tr>
<td>Completed Depth:</td>
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<tr>
<td>NPWL (m):</td>
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**Abandonment:**

| Type: | Steel |
| Depth (m): | 15.2 |
| Bottom (m): | 15.2 |
| OD (mm): | 139.7 |
| Thickness (mm): | 0.1 |
| Seal Type: | Driven |

**Casing:**

| from (m): | to 15.2 |

**Liner:**

| Type: | Saw |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Top (m): | 12.2 |
| Bottom (m): | 24.4 |
| Perforated How: | Size |

**Screen:**

| Material: | 
| OD (mm): | 
| from (m): | to Size |
| from (m): | to Size |

**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): |

**Testing:**

| Rate (lpm): | 36.5 |
| Time (minute): | 60.0 |
| Level End (m): | 24.4 |
| Drawdown (m): | 21.9 |
| Rec'd intake (m): | |
| Rec'd Rate (lpm): | |

**Electric Log:** No  
**Transmissivity:**  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Database:** 1.000H  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No

**Lab:**

| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS: | TKN |
| Sodium: Nitrate | Strontium |
| Potassium: Nitrite | Molybdenum |
| Calcium: TN | Vanadium |
| Magnesium: TC | Zinc |
| Carbonate: DIC | Hydroxide |
| Bicarbonate: Arsenic | Total Hardness |
| Aluminum: Barium | Manganese |
| Sulphate: Beryllium | Phosphate |
| Chloride: Cadmium | Ion Balance |
| Fluoride: Chromium | Amm. Nitrogen |
| Iron: Cobalt | Total Phosphate |
| TOC: Copper | Total Alkalinity |
| Silica: Lead | Nitrate & Nitrite N |

**Chemical Constituents:**

| M| M | M | M | M |
| pH | COD | Mercury |
| Cond. | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
## NW 27-053-01 W5M

**Well Owner:** Fuchs, Renee  
**Drilling Contractor:** Midwest Water Well Ltd.

**Well Number:** 07467  
**Elevation (AMSL) (m):** 763  
**AEP:** 358453  
**Licence No.:** 27-053-01  
**Easting:** 61,432.88  
**Northing:** 5,938,334.00  
**Date Started:** 28 Jun 91  
**Date Completed:** 29 Jun 91

### General Information
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** 21.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing
- **Type:** Plastic  
- **Depth (m):** 56.4  
- **Bottom (m):** 56.4  
- **OD (mm):** 142.8  
- **Thickness (mm):** 0.1  
- **Seal Type:** Peltonite  
- **from (m):** to 60.4

### Liner
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

### Screen
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 56.4 to 57.9  
- **Size:** 0.01

### Open Hole
- **from (m):** to

### Pump
- **Model:**  
- **Intake (m):**

### Testing
- **Rate (lpm):** 114.0  
- **Time (minute):** 420.0  
- **Rec'd Rate (lpm):** 91.2

### Laboratory
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| Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: No  
**Transmissivity:** m³/day  
**Gamma Log: No**  
**Storativity:**  
**Aquifer Test: No**  
**Project:**  
**Database:** 1.000H  
**AEP Data: Yes**  
**Well Field Verified:** No

### Depth Elevation
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<td>61.0</td>
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*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 07468

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 62.5 m
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** 58.2
- **Bottom (m):** 58.2
- **OD (mm):** 142.8
- **Thickness (mm):** 0.1
- **Seal Type:** Gravel Pack
  - **from (m):** to 58.2
  - **Liner:**
    - **Type:**
    - **OD (mm):**
    - **Thickness (mm):**
    - **Perforated How:**
      - **from (m):** to
      - **Size:**
      - **Top (m):**
    - **Screen:**
      - **Material:** St
      - **OD (mm):** 1.5
      - **from (m):** to 58.2
      - **Bottom (m):** 59.7
      - **Size:** 0.01
      - **Open Hole:**
        - **from (m):** to
    - **Pump:**
      - **Model:**
      - **Intake (m):**
      - **Rate (lpm):** 91.2
      - **Time (minute):** 420.0
      - **Level End (m):** 51.8
      - **Rec'd intake (m):**
      - **Rec'd Rate (lpm):** 91.2

**Depth Elevation**

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<td>Clay Soft Brown</td>
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<td>Sand &amp; Coal Coarse Grained Bro</td>
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<td>Clay Soft Blue</td>
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<td>Sand &amp; Coal Brown</td>
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**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 53.6 (m)
- **NPWL (m):** 26.5
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 51.2
  - **Bottom (m):** 51.2
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
  - **from (m):** to 31.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to 31.1
  - **Size:**
  - **from (m):** to 31.1
  - **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 51.2
- **to:** 52.7
- **Size:** 0.01
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 52.7

### Testing:
- **Rate (lpm):**
- **Time (minute):** 120.0
- **Level End (m):** 33.8
- **Drawdown (m):** 7.3
- **Rec'd intake (m):** 39.6
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **TN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Total Phosphate:**
- **Model:**
- **Intake (m):**
- **Testing:**
  - **Time (minute):**
  - **Level End (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27
**NW 27-053-01 W5M**

**Well Owner:** Wyndyme, Paul

**Drilling Contractor:** Kap’S Drilling Ltd.

**Elevation (AMSL) (m):** 763

**Licence No.:** 61,432.88

**Date Started:** 23 Jul 91

**NORTHING:** 5,938,334.00

**Date Completed:** 26 Jul 91

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 108.2 (m)
  - NPWL (m): 29.9
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - Type: Plastic
  - Depth (m): 72.8
  - Bottom (m): 72.8
  - OD (mm): 141.2
  - Thickness (mm): 0.2
  - Seal Type: Driven
  - from (m): to 72.8
- **Liner:**
  - Type:
  - OD (mm): 88.9
  - Thickness (mm): 0.1
  - Top (m): 72.5
  - Bottom (m): 108.2
- **Perforated How:** Saw
  - from (m): to 108.2
  - Size:
  - from (m): to Size:
  - from (m): to Size:
- **Screen:**
  - Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:
- **Open Hole:**
  - from (m): to
- **Pump:**
  - Model:
  - Intake (m): 71.9
- **Testing:**
  - Rate (lpm): 13.7
  - Time (minute): 120.0
  - Level End (m): 41.5
  - Drawdown (m): 42.1
  - Rec’d intake (m): 72.5
  - Rec’d Rate (lpm): 13.7

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### Laboratory:

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<td>Silica</td>
<td>Lead</td>
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### Depth Elevation

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### Water Well Positioned by PFRA in 10TM NAD 27
**SE 27-053-01 W5M**

**Well Owner:** Book, William A.  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 735  
**Licence No.:** AEP: 362185  
**Date Started:**  
**Date Completed:**

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<td>Northing</td>
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**General:**
- Type of Work: Chemistry  
- Drilling Method: Unknown  
- Well Use: Domestic  

**Completed Depth**  
- (m)  
- NPWL (m): Verified NPWL (m):  
- Abandonment:

**Casing:**
- Type:  
- Depth (m): Bottom (m):  
- OD (mm): Thickness (mm):  
- Seal Type: from (m): to  

**Liner:**
- OD (mm): Thickness (mm):  
- Top (m): Bottom (m):  

**Perforated How:**
- from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:  

**Screen:**
- Material:  
- OD (mm): from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:  

**Open Hole:**
- from (m): to  

**Pump:**
- Model: Intake (m):  
- Rate (lpm): Time (minute):  
- Level End (m): Drawdown (m):  
- Rec'd intake (m): Rec'd Rate (lpm):  

**Laboratory:**
- pH (pH unit): COD: Mercury  
- Cond. (µS/cm): SAR: Nickel  
- TDS: TKN: Selenium  
- Sodium: Nitrate: Strontium  
- Potassium: Nitrite: Molybdenum  
- Calcium: TN: Vanadium  
- Magnesium: TC: Zinc  
- Carbonate: DIC: Hydroxide  
- Bicarbonate: Arsenic: Total Hardness  
- Aluminium: Barium: Manganese  
- Sulphate: Beryllium: Phosphate  
- Chloride: Cadmium: Ion Balance  
- Fluoride: Chromium: Amm. Nitrogen  
- Iron: Cobalt: Total Phosphate  
- TOC: Copper: Total Alkalinity  
- Silica: Lead: Nitrate & Nitrite N  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Database:** 1.000H  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No

---

Chemical Constituents are in mg/l (ppm). Except as noted.
SE 27-053-01 W5M

Well Owner: Spicer, Cliff
Drilling Contractor: Cobob Pumps And Services Ltd.

Well Number: 07472
Elevation (AMSL) (m): 735
AEP: 399318
Licence No.: Easting: 62,336.11
Date Started: 24 Nov 94
Northing: 5,937,181.00
Date Completed: 28 Nov 94

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 106.7 (m)
- NPWL (m): 13.7
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 66.4
- Bottom (m): 66.4
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonit
- from (m): 62.5 to 66.4

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 64.0
- Bottom (m): 106.7
- Perforated How: Machine
- from (m): 94.5 to 106.7
- to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump: Sub
- Model: Jacuzzi
- Intake (m): 61.0

Testing:
- Rate (lpm): 36.5
- Time (minute): 480.0
- Level End (m): 61.0
- Drawdown (m): 47.2
- Rec'd Rate (lpm): 85.3
- Rec'd intake (m): 31.9

Laboratory:
- pH (pH unit):
- Cond. (µS/cm): SAR
- TDS: KTN
- Sodium: Nitrate
- Potassium: Nitrile
- Calcium: TC
- Magnesium: DIC
- Carbonate: Bicarbonate
- Bicarbonate: Total Hardness
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
**NE 28-053-01 W5M**

**Well Owner:** Dodd, Steve  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 158.5 m  
- **NPWL (m):** 46.0  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Steel  
- **Depth (m):** 91.4  
- **Bottom (m):** 91.4  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 61.0  
- **to:** 91.4  

**Liner:**  
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 36.6  
- **Bottom (m):** 158.5  
- **Perforated How:** Machine  
- **from (m):** 103.6  
- **to:** 109.7  
- **Size:**  
- **from (m):** 121.9  
- **to:** 146.3  
- **Size:**  
- **from (m):**  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  

**Open Hole:**  
- **from (m):**  

**Pump:** Sub  
- **Model:** Gould 5g07422  
- **Intake (m):** 112.8  
- **Rate (lpm):** 9.1  
- **Time (minute):** 120.0  
- **Level End (m):** 86.9  
- **Drawdown (m):** 40.8  
- **Rec'd intake (m):** 115.8  
- **Rec'd Rate (lpm):** 9.1  

**Laboratory:**  
- **pH (pH unit):**  
- **COD:**  
- **Mercury:**  
- **Cond. (µS/cm):**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Strontium:**  
- **Sodium:**  
- **Nitrate:**  
- **Selenium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**  
- **(BGL) (AMSL):**  
- **(m):**  
- **(m):**  

**Lithologic Description**  
- **22.9:** 721.9  
- **Till Sandy Brown:**  
- **49.4:** 695.4  
- **Clay Gray:**  
- **51.2:** 693.6  
- **Sand Fine Grained:**  
- **57.9:** 686.9  
- **Gravel Fine Grained:**  
- **85.3:** 659.5  
- **Clay & Sand Gray:**  
- **89.9:** 654.9  
- **Sand Fine Grained:**  
- **93.0:** 659.5  
- **Clay & Sand Gray:**  
- **102.4:** 642.4  
- **Shale:**  
- **103.6:** 641.2  
- **Sandstone:**  
- **106.7:** 638.1  
- **Shale Gray:**  
- **108.2:** 636.6  
- **Shale & Coal Brown:**  
- **111.3:** 633.5  
- **Sandstone:**  
- **113.1:** 631.7  
- **Shale Gray:**  
- **114.6:** 630.2  
- **Shale & Coal Brown:**  
- **116.7:** 628.1  
- **Shale Gray:**  
- **118.9:** 625.9  
- **Coal:**  
- **123.4:** 621.4  
- **Shale Brown:**  
- **125.6:** 619.2  
- **Sandstone:**  
- **127.1:** 617.7  
- **Shale Gray:**  
- **132.6:** 612.2  
- **Sandstone:**  
- **139.3:** 605.5  
- **Shale Gray:**  
- **142.3:** 602.5  
- **Sandstone Silty:**  
- **144.8:** 600.0  
- **Shale Gray:**  
- **147.2:** 597.6  
- **Coal:**  
- **153.9:** 590.9  
- **Sandstone Silty:**  
- **155.8:** 588.0  
- **Shale Gray:**  
- **158.4:** 588.4  
- **Sandstone:**  
- **158.5:** 586.3  
- **Shale Gray:**

**Water Well Positioned by PFRA in 10TM NAD 27**
Water Well Positioned by PFRA in 10TM NAD 27
**NE 28-053-01 W5M**

**Well Number 07475**

**Well Owner:** Orr, Neil  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 749  
**AEP:** 354047  
**Licence No.:** Easting: 60,918.20  
**Date Started:** 07 Dec 89  
**Northing:** 5,937,905.50  
**Date Completed:** 11 Dec 89

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 143.3 (m)  
**NPWL (m):** 24.4  
**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 96.6  
- **Bottom (m):** 96.6  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Drive Shoe  
- **from (m):** to 96.6

### Liner:
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 94.5  
- **Bottom (m):** 143.3

**Perforated How:** Machine  
**from (m):** 125.0 to 143.3  
**Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Gould  
- **Intake (m):** 109.1

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):** 143.3  
- **Drawdown (m):** 118.9  
- **Rec'd Rate (lpm):** 109.1  
- **Rec'd intake (m):**

---

### Laboratory:

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<th>Parameter</th>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** m
- **Storativity:** m³/day
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

*printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.8 m
- **NPWL (m):** 38.1
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 48.2
  - **Bottom (m):** 48.2
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **Lint:**
  - **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Screen:**
  - **Material:** St
  - **OD (mm):** 1.5
  - **from (m):** 48.8
  - **to:** 50.3
  - **Size:** 0.01
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 44.2
- **Testing:**
  - **Rate (lpm):** 54.7
  - **Time (minute):** 120.0
  - **Level End (m):** 44.2
  - **Drawdown (m):** 6.1
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Lead:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Selenium:**
- **Vanadium:**
- **Hydroxide:**
- **Amm. Nitrogen:**
- **Cadmium:**
- **Copper:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Lead:**
- **Cadmium:**
- **Copper:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 28-053-01 W5M**

**Well Owner:** Holst, Dan/Nancy  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 778  
**Licence No.:** 418224  
**Date Started:** 26 Sep 95  
**Easting:** 59,798.56  
**Date Completed:** 27 Sep 95  
**Northing:** 5,937,590.00

<table>
<thead>
<tr>
<th><strong>General:</strong></th>
<th><strong>Well Number 07477</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td></td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
</tr>
<tr>
<td>Completed Depth: 67.1 (m)</td>
<td></td>
</tr>
<tr>
<td>NPWL (m): 47.2</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 50.6  
- **Bottom (m):** 50.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Table  
- **from (m):** 39.6 to 42.7

**Liner:**
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Screen:**
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 50.6 to 52.1  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):** 50.3

**Testing:**
- **Rate (lpm):** 18.2  
- **Time (minute):** 120.0  
- **Level End (m):** 50.3  
- **Drawdown (m):** 3.1  
- **Rec'd intake (m):** 50.3  
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury  
- **Cond. (µS/cm):**  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Strontium:** Selenium  
- **Potassium:** Nitrite  
- **Molybdenum:** Calcium  
- **Magnesium:** TC  
- **Zinc:** Carbonate  
- **DIC:** Hydroxide  
- **Bicarbonate:** Arsenic  
- **Total Hardness:** Total Alkalinity  
- **Aluminium:** Barium  
- **Manganese:** Sulphate  
- **Beryllium:** Phosphate  
- **Cadmium:** Chrome  
- **Amm. Nitrogen:** Chloride  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **Total Phosphate:** TOC  
- **TOC:** Copper  
- **Total Alkalinity:** Silica  
- **Lead:** Chemical Constituents are in mg/l (ppm). Except as noted.  
- **Nitrate&Nitrite N:**  
- **Barium:**  
- **Manganese:**  
- **Calcium:**  
- **Total Hardness:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NW 28-053-01 W5M**

**Well Owner:** Jespersen, Loren

**Drilling Contractor:** D&D Water Well Drilling & Services

**Well Number:** 07478

**Elevation (AMSL) (m):** 771

**AEP:** 351497

**Licence No.:** Easting: 59,933.26

**Date Started:** 12 Jun 90

**Northing:** 5,938,111.50

**Date Completed:** 14 Jun 90

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 97.5 (m)
- **NPWL (m):** 42.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 61.3
- **Bottom (m):** 61.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- from (m): to 61.3

### Liner:

- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 59.7
- **Bottom (m):** 97.5
- **Perforated How:** Other
- from (m): 73.2 to 94.5
- from (m): to
- from (m): to

### Screen:

- **Material:**
- **OD (mm):**
- from (m): to
- from (m): to
- from (m): to

### Open Hole:

- from (m): to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):** 67.1
- **Drawdown (m):** 24.4
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nitraplin:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Selenium:**
- **Calcium:**
- **TNS:**
- **Magnesium:**
- **TC:**
- **Hydroxide:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrite N:**

### Electric Log: Yes

- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 49.4 (m)
- **NPWL (m):** 31.1
- **Abandonment:**

### Casings:
- **Type:** Steel
- **Depth (m):** 46.2
- **Bottom (m):** 48.2
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 49.4

### Perforated How:
- **Torch**
- **from (m):** 47.9
- **to:** 49.4
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 36.5
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 51.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**
- **Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **Size:**
  - **Size:**
- **Screen:**
- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
  - **Size:**
  - **Size:**
- **Open Hole:**
  - **from (m):**
  - **to:**
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **DIC:** Mercury
- **Cond:** Nickel
- **TDS:** Selenium
- **Sodium:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Aluminium:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Nitrate & Nitrite N
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07480

**Elevation (AMSL) (m):** 772

**AEP:** 367903

**Easting:** 59,966.94

**Northing:** 5,937,983.00

**Licence No.:**

**Date Started:**

**Date Completed:**

**Drilling Contractor:** Unknown Driller

**Well Owner:** Omer, Richard

**Remarks:**

(printed on 2/20/98)
**General:**
- **Type of Work**: Chemistry
- **Drilling Method**: Unknown
- **Well Use**: Domestic
- **Completed Depth**: 54.9 (m)
- **NPWL (m)**: Verified NPWL (m)
- **Abandonment**: 

**Casing:**
- **Type**: 
- **Depth (m)**: Bottom (m):
- **OD (mm)**: Thickness (mm):
- **Seal Type**:
- **from (m)**: to

**Liner:**
- **Type**: 
- **OD (mm)**: Thickness (mm):
- **Top (m)**: Bottom (m):
- **Perforated How**:
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:

**Screen:**
- **Material**:
- **OD (mm)**: 
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:

**Open Hole**:
- **from (m)**: to

**Pump:**
- **Model**:
- **Intake (m)**:

**Testing:**
- **Rate (lpm)**:
- **Time (minute)**:
- **Level End (m)**:
- **Drawdown (m)**:
- **Rec’d intake (m)**:
- **Rec’d Rate (lpm)**:

**Laboratory:**
- **pH (pH unit)**: COD
- **Cond. (µS/cm)**: SAR
- **TDS**: TKN
- **Sodium**: Nitrate
- **Potassium**: Nitrite
- **Calcium**: TN
- **Magnesium**: TC
- **Carbonate**: DIC
- **Bicarbonate**: Arsenic
- **Aluminium**: Barium
- **Sulphate**: Beryllium
- **Chloride**: Cadmium
- **Fluoride**: Chromium
- **Iron**: Cobalt
- **TOC**: Copper
- **Silica**: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(No Lithologic Information Available)</td>
</tr>
</tbody>
</table>
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:**
- **Completed Depth:** 109.7 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

### Electric Log:
- **Yes**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Yes**
- **Storativity:**
- **Aquifer Test:**
- **No**
- **Project:**
- **Database: 1.000H**
- **AEP Data:**
- **Yes**
- **Well Field Verified:**
- **No**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 53.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 58.5
- **Bottom (m):** 58.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:** St
- **OD (mm):** 15.7
- **from (m):** 58.5
- **to:** 60.0
- **Size:** 0.12
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Gould
- **Intake (m):** 58.8

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 180.0
- **Level End (m):** 57.9
- **Drawdown (m):** 4.6
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **No**
- **Storativity:**
- **Aquifer Test:**
- **No**
- **Project:**
- **Database: 1.000H**
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
  - NPWL (m): 53.1
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 62.8
  - **Bottom (m):** 62.8
  - **OD (mm):** 152.4
  - **Thicknss (mm):** 0.1
  - **Seal Type:** Bentonite Chips/Table
  - **from (m):** to 47.9

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Thicknss (mm):**
  - **Top (m):**
  - **Bottom (m):**
  - **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:** St
  - **OD (mm):** 1.5
  - **from (m):** 62.8 to 64.3
  - **Size:** 0.01

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
  - **Intake (m):** 64.3

**Testing:**
- **Rate (lpm):**
  - **Time (minute):** 120.0
- **Level End (m):** 53.0
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
- **NPWL (m):** 58.5
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:

- **Type:** Steel
- **Depth (m):** 68.9
- **Bottom (m):** 68.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

## Seal Type:

- **Sand Pack**
- **from (m):** to 73.2

## Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

## Perforated How:

- **from (m):** to **Size:**

## Screen:

- **Material:** St
- **OD (mm):** 1.5
- **from (m):** to 70.4
- **Size:** 0.01
- **from (m):** to **Size:**

## Open Hole:

- **from (m):** to

## Pump:

- **Model:** Sub
- **Intake (m):** 67.1
- **Rate (lpm):** 31.9
- **Time (minute):** 480.0
- **Level End (m):** 65.5
- **Drawdown (m):** 7.0
- **Rec'd intake (m):** 68.6
- **Rec'd Rate (lpm):** 27.4

## Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituent</th>
<th>Unit</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
<td></td>
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<td>TDS</td>
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<tr>
<td>Sodium</td>
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<td>Lead</td>
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</tr>
<tr>
<td>Nitrate &amp; Nitrite N</td>
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</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</tbody>
</table>

## Wellsite Information:

- **Well Number:** SW 28-053-01 W5M
- **Well Owner:** Morton, Darwin
- **Drilling Contractor:** Midwest Water Well Ltd.
- **Elevation (AMSL):** 774
- **AEP:** 362106
- **Licence No.:**
- **Easting:** 59,935.21
- **Northing:** 5,937,309.00
- **Date Started:** 28 Nov 91
- **Date Completed:** 29 Nov 91
- **Well Positioned by PFRA in 10TM NAD 27**

## Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27

## Depth Elevation

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Till Brown</td>
<td>6.4</td>
<td>767.4</td>
</tr>
<tr>
<td>Sand Brown</td>
<td>8.2</td>
<td>765.6</td>
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<tr>
<td>Clay Brown</td>
<td>19.8</td>
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<td>Clay Blue</td>
<td>54.6</td>
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<tr>
<td>Sand &amp; Gravel Fine Grained Bro</td>
<td>59.1</td>
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<tr>
<td>Clay Blue</td>
<td>60.7</td>
<td>713.2</td>
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<tr>
<td>Sand &amp; Coal Coarse Grained</td>
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<td>703.1</td>
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<td>Clay Blue</td>
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## Laboratory Data

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<tr>
<td>pH</td>
<td></td>
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<tr>
<td>TKN</td>
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</tr>
<tr>
<td>Nitrate</td>
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<td></td>
</tr>
<tr>
<td>Selenium</td>
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<td>Molybdenum</td>
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<tr>
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<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>

## Electric Log:

- **Transmissivity:** m²/day
- **Storativity:**

## Gamma Log:

- **Storativity:**

## Aquifer Test:

- **Storativity:**

## Project:

- **Database:** 1.000H

## AEP Data:

- **Well Field Verified:** Yes
**General:**

Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**

Completed Depth: 54.9 (m)  
NPWL (m): 35.0  
Veriﬁed NPWL (m):

Abandonment:

**Casing:**

Type: **Plastic**

Depth (m): 53.3  
Bottom (m): 53.3

OD (mm): 152.4  
Thickness (mm): 0.1

Seal Type: **Bentonite Chips/Tabl**

from (m): 1.8  
to 36.6

**Liner:**

Type:  
OD (mm):  
Thickness (mm):  
Top (m):  
Bottom (m):

Perforated How:

from (m):  
to  
Size:

from (m):  
to  
Size:

from (m):  
to  
Size:

**Screen:**

Material: St  
OD (mm): 1.5

from (m): 53.3  
to 54.9  
Size: 0.02

from (m):  
to  
Size:

**Open Hole:**

from (m):  
to

**Pump:** **Sub**

Model: **Goulds 7g05**  
Intake (m): 51.8

**Testing:**

Rate (lpm): 68.4  
Time (minute): 180.0

Level End (m): 36.6  
Drawdown (m): 1.5

Rec’d intake (m): 53.3  
Rec’d Rate (lpm): 45.6

**Laboratory:**

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<tr>
<td>Nitrate &amp; Nitrite</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth**  
**Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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<td>36.6</td>
<td>735.6</td>
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<td>54.9</td>
<td>717.3</td>
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**Lithologic Description:**

Clay  
Sand & Gravel

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number: 07486**

Well Owner: **Pipke, Keith**  
Drilling Contractor: **Big Iron Drilling Ltd.**

Elevation (AMSL) (m): 772  
AEP: 397095

License No.:  
Easting: 59,828.47  
Northing: 5,937,364.00

Date Started: **09 Aug 94**  
Date Completed: **15 Aug 94**

**Well Number:**

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<th>Well Name</th>
<th>Elevation (AMSL) (m)</th>
<th>AEP (m)</th>
<th>Licence No.</th>
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<th>Date Completed</th>
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<td>15 Aug 94</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27

Well Number 07487

Well Owner: Richards, Omar
Drilling Contractor: Rodco Drilling

Elevation (AMSL) (m): 774
AEP: 368661
Licence No.: Easting: 59,935.21
Date Started: 01 Dec 92
Northing: 5,937,309.00
Date Completed: 08 Dec 92

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<td>Drilling Method: Rotary</td>
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<table>
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<td>Depth</td>
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<td>(m)</td>
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<td>Cond. (µS/cm)</td>
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<td>Level End (m): 44.5</td>
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<td>Rec'd intake (m): 50.0</td>
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<td>Aquifer Test: No</td>
<td>Project: Database: 1.000H</td>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Saulter, Ted
Drilling Contractor: Rodco Drilling

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 51.8 (m)
NPWL (m): 45.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 50.3 Bottom (m): 50.3
OD (mm): 127.0 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 42.7

Liner:
Type:
OD (mm): Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
from (m):
from (m):

Screen:
Material: St
OD (mm): 1.5
from (m): 50.3 to 51.8 Size: 0.01
from (m):
from (m):

Open Hole:
from (m):

Pump:
Model: Intake (m): 50.3

Testing:
Rate (lpm): 31.9 Time (minute): 240.0
Level End (m): 46.9 Drawdown (m): 1.5
Rec'd intake (m): 50.3 Rec'd Rate (lpm): 31.9

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number 07489**

**Well Owner:** Stanley, Andy/Connie

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 773

**AEP:** 379683

**Licence No.:** Easting: 59,971.81

**Date Started:** 11 Apr 94

**Date Completed:** 12 Apr 94

**Northing:** 5,937,933.00

---

### General:

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<td>Well Use:</td>
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**Completed Depth:** 105.5 (m)

**NPWL (m):** 43.3

Verified NPWL (m):

**Abandonment:**

### Casing:

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<tr>
<td>OD (mm):</td>
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<td>Thickness (mm):</td>
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**Seal Type:** Shale Trap & Bentonite

from (m): to 71.3

### Liner:

<table>
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<tr>
<td>Bottom (m):</td>
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**Perforated How:** Saw

from (m): 82.3 to 103.6

Size:

from (m): to Size:

from (m): to Size:

### Screen:

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<thead>
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<tbody>
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<td>OD (mm):</td>
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</table>
| from (m): | to Size:
| from (m): | to Size:

### Open Hole:

from (m): to

### Pump:

<table>
<thead>
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**Testing:**

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### Laboratory:

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<tbody>
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</tr>
<tr>
<td>Aluminium:</td>
<td>Barium</td>
</tr>
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<td>Sulphate:</td>
<td>Beryllium</td>
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<tr>
<td>Chloride:</td>
<td>Cadmium</td>
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<tr>
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<td>Chromium</td>
</tr>
<tr>
<td>Iron:</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC:</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica:</td>
<td>Lead</td>
</tr>
<tr>
<td>DIC:</td>
<td>Hydroxide</td>
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<td>Electric Log:</td>
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<td>Gamma Log:</td>
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<td>Aquifer Test:</td>
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<tr>
<td>AEP Data:</td>
<td>Yes</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: **Bisch, Bob**  
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

### General:

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<tr>
<td>Completed Depth:</td>
<td>60.4 m</td>
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<tr>
<td>NPWL (m):</td>
<td>45.7</td>
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<td>Abandonment:</td>
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### Casing:

<table>
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<td>Bottom (m):</td>
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<tr>
<td>OD (mm):</td>
<td>141.2</td>
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<td>Thickness (mm):</td>
<td>0.1</td>
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<tr>
<td>Seal Type:</td>
<td>Sand Pack</td>
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<td>from (m):</td>
<td>to</td>
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### Liner:

<table>
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<th>Type:</th>
<th>St</th>
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<tbody>
<tr>
<td>OD (mm):</td>
<td>1.2</td>
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<tr>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
<td>from (m): to</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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### Screen:

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<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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### Open Hole:

| from (m): to |

### Pump:

<table>
<thead>
<tr>
<th>Model:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intake (m):</td>
</tr>
</tbody>
</table>

### Testing:

| Rate (lpm): | 22.8 |
| Time (minute): | 420.0 |
| Level End (m): | 50.3 |
| Rec'd int (m): | Rec'd Rate (lpm): |

### Laboratory:

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<th>pH (pH unit):</th>
<th>COD</th>
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<tbody>
<tr>
<td>SAR</td>
<td>Mercury</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
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<td>Calcium</td>
<td>TN</td>
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<td>TC</td>
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<td>DIC</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Aluminium</td>
<td>Barium</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
<td>Chromium</td>
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<tr>
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<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silicon</td>
<td>Lead</td>
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### Electric Log: **No**  
Transmissivity: m³/day  
Gamma Log: **No**  
Storativity:  
Aquifer Test: **No**  
Project: Database: **1.000H**  
AEP Data: **Yes**  
Well Field Verified: **No**

---

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27
WH 28-053-01 W5M

Well Number: 07491

Well Owner: Laurentian Bank
Drilling Contractor: Rodco Drilling

Well Number: 07491

Elevation (AMSL) (m): 778
Licence No.: 352489
Date Started: 59,978.28
Date Completed: 27 Jul 90

Well Use: Domestic

Completed Depth: 82.3 (m)
NPWL (m): 50.6
Verified NPWL (m):

Abandonment:

Type: Plastic
Depth (m): 74.7
Bottom (m): 74.7
OD (mm): 114.3
Thickness (mm):

Seal Type: Bentonite Chips/Tabl
from (m): to 70.1

Type: Sub
Model: 
Intake (m): 73.2

Rate (lpm): 27.4
Time (minute): 480.0
Level End (m): 70.1
Drawdown (m): 19.5
Rec’d intake (m): 73.2
Rec’d Rate (lpm): 27.4

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Gamma Log: No
Aquifer Test: No
Project: 
AEP Data: Yes
Database: 1.000H

Transmissivity: m³/day
Storativity:

printed on 2/20/98
## NE 29-053-01 W5M

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 93.6 m
- **NPWL (m):** 47.2
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Plastic
- **Depth (m):** 60.0
- **OD (mm):** 152.4
- **Thickness (mm):**

### Casing:
- **Seal Type:** Shale Trap
- **from (m):** to 56.1

### Liner:
- **Type:** Shale Trap
- **OD (mm):** 101.6
- **Thickness (mm):** 0.1
- **Top (m):** 55.5
- **Bottom (m):** 93.6

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 67.1

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 240.0
- **Level End (m):** 93.6
- **Drawdown (m):** 46.3
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Phosphate:**
- **Nitrate:**
- **Molybdenum:**
- **Selenium:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Sodium:**
- **Strontium:**
- **Vanadium:**
- **Molybdenum:**
- **Cadmium:**
- **Hydroxide:**
- **Total Hardness:**
- **Total Phosphorus:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 32-053-01 W5M**

**Well Owner:** Cartney, Greg V.
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 778  **AEP: 358322**  
**Licence No.:** 59,441.34  **Easting:** 5,936,790.50  
**Date Started:** 29 May 91  **Date Completed:** 30 May 91

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 (m)
- **NPWL (m):** 48.8
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 62.2  **Bottom (m):** 62.2
  - **OD (mm):** 152.4  **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 62.2
- **Liner:**
  - **Type:** Shale Trap & Bentonite
  - **OD (mm):** 114.3  **Thickness (mm):** 0.1
  - **Top (m):** 61.0  **Bottom (m):** 103.6
- **Perforated How:** Other
  - **from (m):** 73.2  **to 100.6**  **Size:**
  - **Size:**
  - **Size:**
- **Screen:**
  - **Material:**
    - **OD (mm):**
      - **from (m):** to  **Size:**
      - **from (m):** to  **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
  - **Rate (lpm):** 31.9  **Time (minute):** 240.0
  - **Level End (m):** 67.1  **Drawdown (m):** 18.3
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Lithologic Description
- **Depth (m)**
- **Elevation (BGL) (m)**
- **Lithologic Description**
  - 13.1 765.0 Clay Sandy Yellow
  - 29.9 748.2 Sand
  - 39.6 738.5 Clay Sandy Yellow
  - 43.0 735.1 Sand & Gravel
  - 50.6 727.5 Clay Sandy Blue
  - 55.2 722.9 Sandstone
  - 60.0 718.1 Shale Green
  - 65.8 712.3 Shale Green
  - 69.8 708.3 Shale Gray
  - 70.7 707.4 Sandstone
  - 78.6 699.5 Shale Gray
  - 83.5 694.6 Sandstone
  - 90.2 687.9 Shale Gray
  - 100.0 678.1 Sandstone
  - 103.6 674.5 Shale Gray

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NE 33-053-01 W5M

Well Owner: Daykin, Roy
Drilling Contractor: Rodco Drilling

Well Number 07502

Elevation (AMSL) (m): 744
AEP: 363751
Licence No.: Easting: 60,813.16
Date Started: 04 Jun 91
Northing: 5,939,401.50
Date Completed: 08 Jun 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 90.2 (m)
NPWL (m): 22.9 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 67.1 Bottom (m): 67.1
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Driven & Bentonite
from (m): to 67.1

Liner:
Type: 
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 56.4 Bottom (m): 90.2
Perforated How: Machine
from (m): 84.1 to 90.2 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: 500sb
Intake (m): 73.2

Testing:
Rate (lpm): 11.4 Time (minute): 360.0
Level End (m): 70.1 Drawdown (m): 47.2
Rec'd intake (m): 73.2 Rec'd Rate (lpm): 9.1

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 115.8 (m)
**NPWL (m):** 38.7
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 85.3
- **Bottom (m):** 85.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite
- **from (m):** 83.8 to 85.3

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 82.3
- **Bottom (m):** 115.8

**Perforated How:** Saw
- **from (m):** 100.6 to 112.8
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:** Jacuzzi 7s4518
- **Intake (m):** 97.5

### Testing:
- **Rate (lpm):** 13.7
- **Time (minute):** 180.0
- **Level End (m):** 97.5
- **Drawdown (m):** 58.8
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

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**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 07503

**Well Owner:** Fellows, Joanne

**Elevation (AMSL) (m):** 764
**AEP:** 367297
**Licence No.:**
**Easting:** 60,540.54
**No.:** 5,940,109.00
**Date Started:** 30 Nov 92
**Date Completed:** 08 Dec 92

---

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
NE 33-053-01 W5M

Well Owner: Kerfoot, Wayne
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 759
AEP: 397097
Licence No.: 60,446.28
Date Started: 25 Jul 94
Nortthing: 5,939,740.50
Date Completed: 28 Jul 94

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 138.4 (m)
- NPWL (m): 34.1
- Verified NPWL (m):
- Abandonment:
- Lithologic Description:
  - Type: Plastic
  - Depth (m): 76.2
  - Bottom (m): 76.2
  - OD (mm): 152.4
  - Thickness (mm): 0.1
  - Seal Type: Formation Seal
  - from (m): to 76.2
- Liner:
  - Type:
    - OD (mm): 127.0
    - Thickness (mm): 0.1
  - Top (m): 74.7
  - Bottom (m): 137.5
- Perforated How: Saw
  - from (m): to 137.5
- Screen:
  - Material:
    - OD (mm):
      - from (m): to Size:
      - from (m): to Size:
      - from (m): to Size:
- Open Hole:
  - from (m): to
- Pump: Sub
  - Model: Jacuzzi
  - Intake (m): 106.4
- Testing:
  - Rate (lpm): 11.4
  - Time (minute): 120.0
  - Level End (m): 100.6
  - Drawdown (m): 72.2
  - Rec'd Rate (lpm): 9.1

Laboratory:
- pH (pH unit):
- Cond. (µS/cm): SAR, Nickel
- TDS: TKN, Selenium
- Sodium: Nitrate, Strontium
- Potassium: Nitrite, Molybdenum
- Calcium: TN, Vanadium
- Magnesium: TC, Zinc
- Carbonate: DIC, Hydroxide
- Bicarbonate: Arsenic, Total Hardness
- Aluminium: Barium, Manganese
- Sulphate: Beryllium, Phosphate
- Chloride: Cadmium, Ion Balance
- Fluoride: Chromium, Amm. Nitrogen
- Iron: Cobalt, Total Phosphate
- TOC: Copper, Total Alkalinity
- Silica: Lead, Nitrate
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### NE 33-053-01 W5M

**Well Owner:** Mcgraw, Jim  
**Drilling Contractor:** Rodco Drilling

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<td><strong>Easting:</strong></td>
<td>60,840.71</td>
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<td>Date Started:</td>
<td>02 Aug 92</td>
<td><strong>Northing:</strong></td>
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<tr>
<td>Date Completed:</td>
<td>06 Aug 92</td>
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#### General:

<table>
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<tr>
<th>Type of Work:</th>
<th>New Well</th>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
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</table>

- **Completed Depth:** 93.0 (m)  
- **NPWL (m):** 13.7  
- **Abandonment:**
  - **Type:** Steel  
  - **Depth (m):** 66.1  
  - **Bottom (m):** 66.1  
  - **OD (mm):** 141.2  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Driven  
  - **from (m):** to 8.2

#### Liner:

- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 64.0  
- **Bottom (m):** 89.3  
- **Perforated How:** Machine  
  - **from (m):** to 89.3  
  - **Size:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

#### Screen:

- **Material:**
  - **OD (mm):**
    - **from (m):** to  
    - **Size:**
    - **from (m):** to  
    - **Size:**

#### Open Hole:

- **from (m):** to

#### Pump:

- **Model:** Sub  
- **Rate (lpm):** 9.1  
- **Time (minute):** 720.0  
- **Level End (m):** 44.2  
- **Drawdown (m):** 30.5  
- **Rec'd rate (lpm):** 76.2  
- **Rec'd intake (m):** 13.7

#### Laboratory:

| **Chemical Constituents are in mg/l (ppm). Except as noted.** |
|-----------------|-----------------|
| **pH (pH unit):** | **COD:** | Mercury |
| **Cond. (µS/cm):** | **SAR:** | Nickel |
| **TDS:** | **TKN:** | Selenium |
| **Nitrate:** | **Nitrite:** | Molybdenum |
| **Strontium:** | **Manganese:** | Magnesium |
| **Sodium:** | **Calcium:** | Calcium |
| **Potassium:** | **Magnesium:** | Magnesium |
| **Barium:** | **Beryllium:** | Beryllium |
| **Cadmium:** | **Chromium:** | Chromium |
| **Sulphate:** | **Cadmium:** | Cadmium |
| **Chloride:** | **Iron:** | Amm. Nitrogen |
| **Fluoride:** | **Total Phosphate:** | Total Phosphate |
| **Barium:** | **Cobalt:** | Manganese |
| **Iron:** | **Total Alkalinity:** | Total Alkalinity |
| **TOC:** | **Copper:** | Copper |
| **Silica:** | **Lead:** | Lead |
| **Calcium:** | **Nitrate & Nitrite N:** | Nitrate & Nitrite N |

#### Electric Log:

- **No**
- **Transmissivity:** m³/day

#### Gamma Log:

- **No**
- **Storativity:**

#### Aquifer Test:

- **No**
- **Project:** Database: 1.000H

#### AEP Data:

- **Yes**
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 47.2 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
  - **Depth (m):** 39.6
  - **Bottom (m):** 39.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

## Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 39.6 **to** 41.2 **Size:** 0.02
- **from (m):** to **Size:**
- **Open Hole:**
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 24.4
- **Drawdown (m):** 3.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Lithologic Description
- **Depth Elevation (BGL) (AMSL):**
  - 25.6 715.1 Clay Yellow
  - 26.8 713.9 Clay Blue
  - 41.8 699.0 Sand
  - 42.7 698.1 Clay Blue

### Electric Log:
- Transmissivity: m³/day
- Storativity:
- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No
**General:**
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Unknown
- **Completed Depth:** 85.3 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Bentonite Product 26 Aug 91

**Casing:**
- **Type:** Steel
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to Size:
- **from (m): to Size:**
- **from (m): to Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m): to Size:**
- **from (m): to Size:**
- **from (m): to Size:**

**Open Hole:**
- **from (m): to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Open Hole:**
- **Pump:**
- **Intake (m):**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
NE 35-053-01 W5M

Well Owner: Bull, G.
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 757
AEP: 359723
Licence No.: Easting: 63,780.88
Date Started: 21 Aug 91 Northing: 5,939,498.50
Date Completed: 26 Aug 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 88.4 m
NPWL (m): 39.6
Abandonment:

Casing:
Type: Plastic
Depth (m): 82.0
Bottom (m): 82.0
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): 80.5 to 82.0

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 76.2
Bottom (m): 88.4
Perforated How: Saw
from (m): 82.3 to 88.4
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m):

Pump: Gould
Model: 5g05422
Intake (m): 76.2

Testing:
Rate (lpm): 45.6
Time (minute): 170.0
Level End (m): 76.2
Drawdown (m): 36.6
Rec'd intake (m): 76.2
Rec'd Rate (lpm): 45.6

Laboratory:

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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 35-053-01 W5M**

**Well Owner:** Champion, Bill  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 755  
**AEP:** 355619  
**Licence No.:** Easting: 64,121.91  
**Date Started:** 18 Oct 90  
**Northing:** 5,939,791.50  
**Date Completed:** 20 Oct 90  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 103.6 (m)  
- **NPWL (m):** 37.2  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 70.1  
- **Bottom (m):** 70.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.2  
- **Seal Type:** Driven  
- **from (m):** to 70.1  

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 69.2  
- **Bottom (m):** 103.6  

### Perforated How:
- **Other**  
- **from (m):** to 103.6  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  

### Open Hole:
- **from (m):** to  

### Pump:
- **Type:** Sub  
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** 18.2  
- **Time (minute):** 180.0  
- **Level End (m):** 76.2  
- **Drawdown (m):** 39.0  
- **Rec'd Rate (lpm):** 76.2  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Narrow:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Hydroxide  
- **Barium:** Manganese  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Open Hole:**  
- **Intake:**  

### Electric Log:
- **No**  
- **Transmissivity:** m³/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 07510

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<th>Large, Don</th>
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### General:
- **Type of Work:** Deepened
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 13.7
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Steel
- **Depth (m):** 47.9
- **Bottom (m):** 47.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 47.9

### Casing:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 45.1
- **Bottom (m):** 54.9

### Liner:
- **Type:** Hand Drill
- **from (m):** 48.8 to 54.9
- **Size:**
- **from (m):** to 54.9
- **Size:**
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to 54.9
- **Size:**
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Sub:**
- **Model:** Grundfos
- **Intake (m):** 40.8

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 240.0
- **Level End (m):** 30.5
- **Drawdown (m):** 16.8
- **Rec'd Rate (lpm):** 41.5
- **Rec'd intake (m):** 45.6

### Laboratory:

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### Electric Log:
- No

### Gamma Log:
- No

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 35-053-01 W5M**

**Well Number: 07511**

Well Owner: **Lepp, John K**  
Drilling Contractor: **Unknown Driller**

**Elevation (AMSL) (m): 754**  
**AEP: 366445**

**Date Started:**  
**Date Completed:**

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<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
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<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
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<td>Cadmium</td>
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</tr>
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<td>Chromium</td>
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</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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<th>Gamma Log: <strong>No</strong></th>
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<tbody>
<tr>
<td></td>
<td>Aquifer Test: <strong>No</strong></td>
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<tr>
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<td>AEP Data: <strong>Yes</strong></td>
<td>Well Field Verified: <strong>No</strong></td>
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**NE 35-053-01 W5M**  
**Well Number:** 07512  
**Well Owner:** Phillips, Jamie  
**Drilling Contractor:** Midwest Water Well Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 79.2 (m)  
- **NPWL (m):** 22.9  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 65.2  
- **Bottom (m):** 65.2  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 65.2  

### Liner:
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 62.2  
- **Bottom (m):** 79.2  

### Perforated How:
- **Hand Drill**  
- **from (m):** 67.1 to 76.2  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** 136.8  
- **Time (minute):** 180.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 38.1  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):** 68.4  

### Laboratory:

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<tr>
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### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL):**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>79.2</td>
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<td>Shale Green</td>
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---

**Remarks:**
- Electric Log: No  
- Transmissivity: m³/day  
- Gamma Log: No  
- Storativity:  
- Aquifer Test: No  
- Project: Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 m
- **NPWL (m):** 38.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 74.4 Bottom (m): 74.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** 74.1 to 74.4

### Liner:
- **Type:**
- **OD (mm):** 141.3
- **Thickness (mm):** 0.1
- **Top (m):** 70.7
- **Bottom (m):** 91.4
- **Perforated How:** Hand Drill
- **from (m):** 79.2 to 91.4
- **Size:**
- **from (m):**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Aymcdnald
- **Intake (m):**

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):** 10.7
- **Rec'd intake (m):** 57.9
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Nitrile:**
- **Molybdenum:**
- **Selenium:**
- **Nitrate:**
- **Sodium:**
- **Chloride:**
- **Strontium:**
- **Vanadium:**
- **Zinc:**
- **Sulfate:**
- **Nitrate:**
- **Phosphorus:**
- **Barium:**
- **Beryllium:**
- **Bicarbonate:**
- **Asbestos:**
- **Arsenic:**
- **Total Hardness:**
- **Cadmium:**
- **Iron:**
- **Magnesium:**
- **Calcium:**
- **Manganese:**
- **Sulfate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Copper:**
- **Lead:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
  - from (m): to

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):

### Lithologic Description
(No Lithologic Information Available)

### Screen:
- **Material:**
  - **OD (mm):** Thickness (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR, Mercury
- **TDS:** TKN, Nickel
- **Sodium:** Nitrate, Strontium
- **Potassium:** Nitrite, Molybdenum
- **Calcium:** TN, Vanadium
- **Magnesium:** TC, Zinc
- **Carbonate:** DIC, Hydroxide
- **Bicarbonate:** Arsenic, Total Hardness
- **Aluminium:** Barium, Manganese
- **Sulphate:** Beryllium, Phosphate
- **Chloride:** Cadmium, Ion Balance
- **Fluoride:** Chromium, Amm. Nitrogen
- **Iron:** Cobalt, Total Phosphate
- **TOC:** Copper, Total Alkalinity
- **Silica:** Lead, Nitrate & Nitrite N

### Electric Log: No
- Transmissivity: m²/day
- **Gamma Log: No**
- **Storativity:**

### Aquifer Test: No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on:** 2/20/98
**NE 35-053-01 W5M**

**Well Owner:** Regamey, Lyle  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 750  
**Licence No.:** Easting: 64,023.74  
**AEP: 364952**  
**Date Started:** Northing: 5,939,935.50  
**Date Completed:**

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<tr>
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<tr>
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<td>Time (minute):</td>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrile N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 35-053-01 W5M**

**Well Owner:** Sorensen, D  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)
  - NPWL (m): 26.5
  - Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 77.1
  - Bottom (m): 77.1
  - OD (mm): 152.4
  - Thickness (mm): 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 75.8 to 77.1

**Linier:**
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm): 0.1
- **Perforated How:** Saw
  - from (m): 76.2 to 85.3
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Open Hole:**
- from (m): to

**Pump:** Sub
- **Model:** Gould 7gh07422
  - Intake (m): 48.8

**Testing:**
- **Rate (lpm):** 45.6
  - Time (minute): 120.0
- **Level End (m):** 48.8
  - Drawdown (m): 22.3
- **Rec'd Rate (lpm):** 54.9
  - Rec'd intake (m): 36.5

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### NE 35-053-01 W5M

**Well Owner:** Spaidel, Brad  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 754  
**AEP:** 360261  
**Licence No.:**  
**Date Started:** 16 Sep 91  
**Date Completed:** 18 Sep 91  
**Easting:** 63,884.23  
**Northing:** 5,939,829.00

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<td>85.3</td>
<td>668.5</td>
<td>85.3 Shale Brown</td>
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**General:**  
Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**  
Completed Depth: **85.3**  
NPWL (m): **29.9**  
Verified NPWL (m):  
Abandonment:  
**Casing:**  
Type: **Plastic**  
Depth (m): **68.6**  
Bottom (m): **68.6**  
OD (mm): **152.4**  
Thickness (mm): **0.1**  
Seal Type: **Shale Trap & Bentonite**  
from (m): **66.8**  
Key Hole: **66.8**

**Liner:**  
Type:  
OD (mm): **114.3**  
Thickness (mm): **0.1**  
Top (m): **67.1**  
Bottom (m): **85.3**  
Perforated How: **Saw**  
from (m): **70.1**  
Key Hole: **85.3**

**Screen:**  
Material:  
OD (mm):  
from (m):  
Key Hole:  
from (m):  

**Open Hole:**  
from (m):  

**Pump:**  
Model:  
Intake (m): **67.1**

**Testing:**  
Rate (lpm): **45.6**  
Time (minute): **120.0**  
Level End (m): **67.1**  
Drawdown (m): **37.2**  
Rec'd intake (m): **67.1**  
Rec'd Rate (lpm): **36.5**

**Laboratory:**  
- pH (pH unit)  
- COD  
- Mercury  
- SAR  
- Nickel  
- TDS  
- TKN  
- Selenium  
- Sodium  
- Nitrate  
- Strontium  
- Potassium  
- Nitrite  
- Molybdenum  
- Calcium  
- TN  
- Vanadium  
- Magnesium  
- TC  
- Zinc  
- Carbonate  
- DIC  
- Hydroxide  
- Bicarbonate  
- Arsenic  
- Total Hardness  
- Aluminum  
- Barium  
- Manganese  
- Sulphate  
- Beryllium  
- Phosphate  
- Chloride  
- Cadmium  
- Ion Balance  
- Fluoride  
- Chromium  
- Amm. Nitrogen  
- Iron  
- Cobalt  
- Total Phosphate  
- TOC  
- Copper  
- Total Alkalinity  
- Silica  
- Lead  
- Nitrate Nitrite N  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No
**NE 35-053-01 W5M**

**Well Number:** 07518

**Well Owner:** **Swanson, Dave/Rust, Donna**

**Drilling Contractor:** **Unknown Driller**

**Elevation (AMSL) (m):** 749

**Licence No.:** 749

**Date Started:**

**Easting:** 64,207.17

**Northing:** 5,939.343.50

**AEP:** 366444

---

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

- **Completed Depth:** (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m) to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

### Screen:

- **Material:**
- **OD (mm):** from (m) to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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### Lithologic Description:

(No Lithologic Information Available)

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**NH 35-053-01 W5M**

**Well Owner:** West, Grant  
**Drilling Contractor:** Reklow Water Well Drilling

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 91.4 m  
- **NPWL (m): 21.9**  
- **Verified NPWL (m):**

### Abandonment:

### Casing:
- **Type:** Plastic  
- **Depth (m): 66.1**  
- **Bottom (m): 66.1**  
- **OD (mm): 152.4**  
- **Thickness (mm): 0.2**  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 66.1

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:
- **Bottom (m):** Top (m):

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** 13 Stage  
- **Intake (m): 45.7**

### Testing:
- **Rate (lpm): 45.6**  
- **Time (minute): 240.0**  
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m): 48.2**  
- **Rec’d Rate (lpm): 45.6**

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** KTN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **DIC:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Aluminium:** Manganese  
- **Sulphate:** Phosphate  
- **Chloride:** Ion Balance  
- **Fluoride:** Amm. Nitrogen  
- **Iron:** Total Phosphate  
- **TOC:** Total Alkalinity  
- **Silica:** Lead  
- **Nitrate & Nitrite N:**

### Electric Log:
- **Yes**

### Gamma Log:
- **No**

### Aquifer Test:
- **Yes**

### Project:
- **Database:** 1.000H

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number 07519**

- **Elevation (AMSL) (m): 752**
- **AEP: 361094**
- **Licence No.:**
- **Easting: 63,486.01**
- **Date Started: 16 Aug 91**
- **Northing: 5,940.070.00**
- **Date Completed: 20 Aug 91**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
Well Owner: Bernardin, Albert/Diane
Drilling Contractor: Midwest Water Well Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 121.9 (m)
- **NPWL (m):** 38.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 64.9
- **Bottom (m):** 64.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 64.8
  - **to:** 64.9

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 61.3
- **Bottom (m):** 121.9
- **Perforated How:** Hand Drill
- **from (m):** 85.3
  - **to:** 119.8
  - **Size:**
- **from (m):**
  - **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
  - **Size:**
- **from (m):** to
  - **Size:**

**Open Hole:**
- **from (m):**
  - **to:**

**Pump:**
- **Model:**
- **Intake (m):** 121.9

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 480.0
- **Level End (m):** 61.0
- **Drawdown (m):** 28.4
- **Rec'd intake (m):** 67.1
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>Depth (m)</th>
<th>Elevation (m)</th>
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<td>121.9</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

**Well Number 07520**

**Elevation (AMSL) (m):** 770
**AEP: 365424**
**Licence No.:**
**Date Started: 03 Jul 92**
**Easting: 63.155.39**
**Date Completed: 03 Jul 92**
**Northing: 5,939,860.00**

**Remarks:**

**Database: 1.000H**

**Project: Yes**

**Well Field Verified: No**
**NW 35-053-01 W5M**

**Well Number 07521**

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<td>Northing: 5,939,845.00</td>
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**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: **94.5 (m)**
- NPWL (m): **21.3**
- Verified NPWL (m):
- Abandonment:
  - Type: **Plastic**
  - Depth (m): **79.2**
  - Bottom (m): **79.2**
  - OD (mm): **127.0**
  - Thickness (mm): **0.1**
- Seal Type: **Bentonite Chips/Tabl**
  - from (m): **to 77.7**

**Liner:**
- Type: **Plastic**
- OD (mm):
  - from (m): **to**
  - Top (m):
  - Bottom (m):
- Perforated How:
  - from (m): **to**
  - Size:
  - from (m): **to**
  - Size:
  - from (m): **to**
  - Size:

**Screen:**
- Material:
- OD (mm):
  - from (m): **to**
  - Size:
  - from (m): **to**
  - Size:

**Open Hole:**
- from (m): **to**

**Pump:**
- Model: **Intake (m):**

**Testing:**
- Rate (lpm): **45.6**
- Time (minute): **120.0**
- Level End (m): **Drawdown (m):**
- Rec’d intake (m): **54.9**
- Rec’d Rate (lpm): **45.6**

**Laboratory:**
- pH (pH unit): **COD**
- Cond. (µS/cm): **Nickel**
- TDS: **SAR**
- Sodium: **Nitrate**
- Nitrate: **Selenium**
- Potassium: **Nitrite**
- Molybdenum: **Calcium**
- Nitrite: **Magnesium**
- Molybdenum: **Carbonate**
- Zinc: **DIC**
- Hydroxide: **Bicarbonate**
- Total Hardness: **Arsenic**
- Vanadium: **Aluminum**
- Manganese: **Barium**
- Phosphate: **Sulphate**
- Beryllium: **Chloride**
- Ion Balance: **Fluoride**
- Amm. Nitrogen: **Iron**
- Total Phosphate: **TOC**
- Total Alkalinity: **Silica**
- Lead: **Nitrate&Nitrite**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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printed on 2/20/98
NW 35-053-01 W5M

Well Number 07522

Well Owner: Fox Maple Homes/Fuhr
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 776
AEP: 372300
Licence No.: 653,328.49
Date Started: 24 Aug 93
Northing: 5,939,722.00
Date Completed: 30 Aug 93

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 100.6 (m)
- NPWL (m): 32.6
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 78.9
- Bottom (m): 78.9
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): 76.2
- to 78.0

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 76.2
- Bottom (m): 100.6

Perforated How: Saw
- from (m): 82.3
- to 94.5
- Size:
- from (m): Size:
- from (m): Size:

Screen:
- Material:
- OD (mm):
- from (m): Size:
- from (m): Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 73.2

Testing:
- Rate (lpm): 45.6
- Time (minute): 420.0
- Level End (m): 73.2
- Drawdown (m): 40.5
- Rec'd intake (m):
- Rec'd Rate (lpm): 36.5

Laboratory:

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<tr>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: **Maywood, John**
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: **91.4 m**
  - NPWL (m): **36.6**
  - Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: **Plastic**
- Depth (m): **68.6**
  - Bottom (m): **68.6**
- OD (mm): **152.4**
  - Thickness (mm):
- Seal Type: **Driven**
  - from (m): **to 68.6**

**Liner:**
- Type: **Driven**
- OD (mm): **114.3**
  - Thickness (mm):
- Top (m): **68.6**
  - Bottom (m): **90.5**
- Perforated How: **Machine**
  - from (m): **68.6 to 90.5**
  - Size:
  - from (m): **to Size:**
  - from (m): **to Size:**

**Screen:**
- Material:
- OD (mm):
  - from (m): **to Size:**
  - from (m): **to Size:**

**Open Hole:**
- from (m): **to**

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): **16.0**
  - Time (minute): **420.0**
- Level End (m): **54.9**
  - Drawdown (m): **18.3**
- Rec'd rate (lpm): **Rec'd intake (m):**

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL)**

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<td>91.4</td>
<td>657.5</td>
<td>Shale Gray</td>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 106.7 (m)
- **NPWL (m):** 65,141.71
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
- **Level End (m):**
  - **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

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### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
**NW 36-053-01 W5M**

Well Owner: **Fellows, D.**
Drilling Contractor: **Cobob Pumps And Services Ltd.**

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<td>Date Completed:</td>
<td>23 Sep 94</td>
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| Well Number: | 07525 |

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** 29.6

**Abandonment:**
- **Type:** Plastic
  - **Depth (m):** 64.0
  - **Bottom (m):** 64.0
  - **OD (mm):** 154.2
  - **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite
- **from (m):** 61.0 to 64.0

**Liner:**
- **Type:** Plastic
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 61.0
  - **Bottom (m):** 79.2

**Perforated How:** Machine
- **from (m):** 67.1 to 79.2
- **Size:**
  - from (m): to
  - from (m): to
  - from (m): to

**Screen:**
- **Material:** Plastic
  - **OD (mm):**
  - **from (m):** to
  - **from (m):** to
  - **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Gould 7g07
- **Intake (m):** 54.9

**Testing:**
- **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
  - **Level End (m):** 54.9
  - **Drawdown (m):** 25.3
  - **Rec'd Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nicke:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 36-053-01 W5M**

**Well Number:** 07526

**Well Owner:** Grant, Alister

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 748

**AEP:** 365779

**Licence No.:**

**Date Started:** 27 Jul 92

**Date Completed:** 29 Jul 92

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**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadium:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Sodium:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
Well Owner: Hill, Lawrence
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

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<th>General:</th>
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<td>Type of Work: New Well</td>
<td>Drilling Method: Rotary</td>
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<th>Lithologic Description</th>
<th>Depth Elevation</th>
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<td>27.4 737.2 (m)</td>
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<td>59.4 705.2 (m)</td>
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<td>62.5 702.2 (m)</td>
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<td>96.0 668.7 Shale Sandy Gray</td>
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| Electric Log: No Transmissivity: m³/day |
| Gamma Log: No Storativity: |
| Aquifer Test: No Project: Database: 1.000H |
| AEP Data: Yes Well Field Verified: No |

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<th>Laboratory:</th>
<th>Cond. (μS/cm) TKN Selenium</th>
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</tr>
<tr>
<td>Calcium</td>
<td>Barium</td>
</tr>
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<td>Sulphate</td>
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<tr>
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<td>Chloride</td>
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<td>Arsenic</td>
<td>Fluoride</td>
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<td>Chromium</td>
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<tr>
<td>Phosphate</td>
<td>TOC</td>
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<td>Silica</td>
</tr>
<tr>
<td>Ion Balance</td>
<td>Lead</td>
</tr>
<tr>
<td>Amm. Nitrogen</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 36-053-01 W5M**

**Well Owner:** Pederson, Norm  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 35.0 (m)  
**NPWL (m):** 22.9  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 32.0  
- **Bottom (m):** 32.0
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.2

**Seal Type:** Bentonite Chips/Tabl

**from (m):** to **32.0**

---

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 32.0 to **33.5**  
- **Size:** 0.01
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0
- **Level End (m):** 26.8
- **Draindown (m):** 4.0
- **Rec'd intake (m):** 32.9  
- **Rec'd Rate (lpm):** 45.6

---

**Laboratory:**
- **pH (pH unit):**  
- **COD:** Mercury
- **Cond. (µS/cm):** SAR  
- **Nickel:**
- **TDS:** TKN  
- **Selenium:**
- **Sodium:** Nitrate  
- **Strontium:**
- **Potassium:** Nitrite  
- **Molybdenum:**
- **Calcium:** TN  
- **Vanadium:**
- **Magnesium:** TC  
- **Zinc:**
- **Carbonate:** DIC  
- **Hydroxide:**
- **Bicarbonate:** Arsenic  
- **Total Hardness:**
- **Aluminum:** Barium  
- **Manganese:**
- **Sulphate:** Beryllium  
- **Phosphate:**
- **Chloride:** Cadmium  
- **Ion Balance:**
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**
- **Iron:** Cobalt  
- **Total Phosphate:**
- **TOC:** Copper  
- **Total Alkalinity:**
- **Silica:** Lead  
- **Nitrate&Nitrite N:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>18.3</td>
<td>737.3</td>
<td>Till Brown</td>
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<tr>
<td>25.9</td>
<td>729.7</td>
<td>Sand &amp; Rocks</td>
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<tr>
<td>35.0</td>
<td>720.6</td>
<td>Sand &amp; Gravel</td>
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</table>

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

---

**printed on 2/20/98**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 114.3 m
- **NPWL (m):** 32.0
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 67.1
- **Bottom (m):** 67.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** 64.0
  - **to:** 67.1

#### Liner:
- **Type:**
- **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 64.0
  - **Bottom (m):** 114.3
- **Perforated How:** Saw
  - **from (m):** 97.5
  - **to:** 114.3
  - **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to
  - **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Jacuzzi
- **Intake (m):** 109.7

#### Testing:
- **Rate (lpm):** 54.7
- **Time (minute):** 1440.0
- **Level End (m):** 64.0
- **Drawdown (m):** 32.0
- **Rec'd Rate (lpm):** 45.6
- **Rec'd intake (m):**

### Lithologic Description:
- **(m) (m) (m)**
- **Depth**
- **Elevation**
- **Lithologic Description**
- 7.9 744.3 Sand Silty
- 9.8 742.4 Gravel
- 29.6 722.6 Clay
- 37.2 715.0 Sand
- 42.1 710.1 Clay
- 47.6 704.6 Clay Silty
- 57.0 695.2 Clay Blue
- 64.0 688.2 Shale Gray
- 68.0 684.2 Shale Green
- 75.0 677.2 Shale Gray
- 86.3 665.9 Sandstone
- 93.0 659.2 Shale Gray
- 99.4 652.8 Sandstone
- 105.8 646.4 Shale Gray
- 110.6 641.5 Shale Green
- 114.3 637.9 Sandstone

### Laboratory:

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<td>Sodium (mg/l)</td>
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<td>TOC (mg/l)</td>
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<td>Copper (mg/l)</td>
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<tr>
<td>Total Alkalinity (mg/l)</td>
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<td>Silicon (mg/l)</td>
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<td>Nitrate (mg/l)</td>
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<tr>
<td>Nitrite (mg/l)</td>
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<td>Strontium (mg/l)</td>
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<td>AEP Data:</td>
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</tr>
<tr>
<td>Well Field Verified:</td>
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### Electric Log:
- **No**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H
- **Project:**

### Water Well Positioned by PFRA in 10TM NAD 27
**NW 36-053-01 W5M**

**Well Owner:** Veinot, Vern  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 755  
**AEP:** 399734  
**Licence No.:** Easting: 64,698.98  
**Date Started:** 21 Oct 94  
**Northing:** 5,940,061.00  
**Date Completed:** 25 Oct 94

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 50.3 (m)  
**NPWL (m):** 24.1  
**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 43.0  
**Bottom (m):** 43.0

**OD (mm):** 152.4  
**Thickness (mm):** 0.1

**Seal Type:**

**from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.5  
**from (m):** 43.0 to 44.5  
**Size:** 0.01

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

### Open Hole:

**from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 33.5

### Testing:
- **Rate (lpm):** 31.9  
**Time (minute):** 120.0

**Level End (m):** 29.3  
**Drawdown (m):** 5.2

**Rec'd intake (m):**

**Rec'd Rate (lpm):** 31.9

### Laboratory:

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<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project: Database: 1.000H
- **AEP Data:** Yes  
  **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
Well Number: 07531

**SE 36-053-01 W5M**

**Well Owner:** E & K Excavating  
**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 738  
**AEP:** 377785  
**Date Started:** 26 Jan 93  
**Date Completed:** 26 Jan 93

<table>
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<tr>
<th>General</th>
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<th>Lithologic Description</th>
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<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Elevation (BGL) (m):</strong></td>
<td><strong>(m) (m)</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td></td>
<td><strong>Sand</strong></td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td></td>
<td><strong>Clay</strong></td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 25.9 (m)</td>
<td><strong>Clay:</strong> 13.7 224.1</td>
<td><strong>Sand:</strong> 25.9 711.9</td>
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<tr>
<td><strong>NPWL (m):</strong> 7.6</td>
<td><strong>Abandonment:</strong></td>
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<td><strong>Verified NPWL (m):</strong></td>
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<td></td>
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<td><strong>Abandonment:</strong></td>
<td></td>
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**Casing:**

- **Type:** Plastic  
- **Depth (m):** 25.9  
- **Bottom (m):** 25.9  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tablet  
- **from (m):** to 4.0

**Liner:**

- **Type:** St  
- **OD (mm):** 1.4  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Size:** 0.01  
- **from (m):** to  
- **to (m):**

**Screen:**

- **Material:** St  
- **OD (mm):** 24.4  
- **Thickness (mm):**  
- **Size:**  
- **from (m):** to 25.9  
- **to (m):**  
- **Bottom (m):**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**  
- **Intake (m):** 18.3  
- **Rate (lpm):** 68.4  
- **Time (minute):** 180.0  
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**

- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Mercury:**  
- **Nickel:**  
- **Selenium:**
- **Nitrate:**  
- **Strontium:**
- **Nitrite:**  
- **Molybdenum:**
- **Calcium:**  
- **Vanadium:**
- **Manganese:**  
- **Sodium:**  
- **TDS:**  
- **TKN:**  
- **Dissolved Oxygen:**
- **CO2:**  
- **pH:**  
- **DIC:**  
- **Electric Log:** No  
- **Transmissivity:** m³/day  
- **Gamma Log:** No  
- **Storativity:**
- **Aquifer Test:** No  
- **Project:**
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**
- **Silica:**  
- **Lead:**  
- **Nitrates:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 128.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrates Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number: 07532**
- **Well Owner:** Behringer, Debbie
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 745
- **AEP:** 354517
- **Date Started:**
- **Easting:** 64,775.57
- **Date Completed:**
- **Northing:** 5,939,231.00

**License No.:** Unknown Driller

---

(printed on 2/20/98)
**Well Number: 07533**

**SW 36-053-01 W5M**

**Well Owner:** Goetzie, C  
Drilling Contractor: Cobob Pumps And Services Ltd.

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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 71.6 (m)  
- **NPWL (m):** 18.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 52.4  
- **Bottom (m):** 52.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven & Shale Trap  
- **from (m):** 50.3  
- **to:** 52.4

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 47.2  
- **Bottom (m):** 71.6  
- **Perforated How:** Saw  
- **from (m):** 52.4  
- **to:** 71.6  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Gould Sg05422  
- **Intake (m):** 47.2

### Testing:
- **Rate (lpm):** 45.6  
- **Time (minute):** 420.0  
- **Level End (m):** 47.2  
- **Drawdown (m):** 29.0  
- **Rec'd Rate (lpm):** 50.3  
- **Rec'd intake (m):** 31.9

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **Mercury:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Sodium:**  
- **Calcium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbinate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>45.7 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>27.4</td>
</tr>
<tr>
<td>Verified NPWL (m):</td>
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</tr>
<tr>
<td>Abandonment:</td>
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**Casing:**

<table>
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<tbody>
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</tr>
<tr>
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</tr>
<tr>
<td>OD (mm):</td>
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<td>Thickness (mm):</td>
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<td>Seal Type:</td>
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<tr>
<td>from (m):</td>
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<td>to</td>
<td>33.5</td>
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**Liner:**

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<th>St</th>
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<tr>
<td>from (m):</td>
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<td>to</td>
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<tr>
<td>Size:</td>
<td>0.01</td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
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<tr>
<td>to</td>
<td></td>
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**Screen:**

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<tr>
<td>Bottom (m):</td>
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</tr>
<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Size:</td>
<td>0.01</td>
</tr>
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</table>

**Open Hole:**

| from (m): | |
| to | |

**Pump:**

<table>
<thead>
<tr>
<th>Model:</th>
<th>Berkly 11 St</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intake (m):</td>
<td>42.7</td>
</tr>
</tbody>
</table>

**Testing:**

| Rate (lpm): | 456.1 |
| Time (minute): | 180.0 |
| Level End (m): | 42.7 |
| Drawdown (m): | 15.2 |
| Rec'd intake (m): | 30.5 |
| Rec'd Rate (lpm): | 45.6 |

**Laboratory:**

| pH (pH unit): | | |
| Cond. (µS/cm): | | |
| TDS: | | |
| Sodium: | | |
| Potassium: | | |
| Calcium: | | |
| Magnesium: | | |
| Carbonate: | | |
| Bicarbonate: | | |
| Aluminium: | | |
| Sulphate: | | |
| Chloride: | | |
| Fluoride: | | |
| Iron: | | |
| TOC: | | |
| Silica: | | |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Silt Brown</td>
<td>12.2</td>
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<td>Clay Blue</td>
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<td>Sand Silty</td>
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<tr>
<td>Sand Blue</td>
<td>45.7</td>
<td>692.0</td>
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</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

---

printed on 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 m
- **NPWL (m):** 7.0
- **Verified NPWL (m):**
- **Abandonment:**

## Casting:
- **Type:** Plastic
- **Depth (m):** 23.5
- **Bottom (m):** 23.5
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 7.6

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 23.5 to 25.0
- **Size:** 0.01
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 18.3

## Testing:
- **Rate (lpm):** 82.1
- **Time (minute):** 240.0
- **Level End (m):** 13.1
- **Drawdown (m):** 6.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.8

## Laboratory:

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<td>Cond. (µS/cm)</td>
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</tr>
<tr>
<td>TDS</td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
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<tr>
<td>Bicarbonate</td>
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<td>Aluminium</td>
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<td>Sulphate</td>
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<td>Chloride</td>
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<td>Iron</td>
<td></td>
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<tr>
<td>TOC</td>
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<td>Silica</td>
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<td>SAR</td>
<td>Nickel</td>
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<tr>
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<td>Selenium</td>
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<tr>
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<td>Strontium</td>
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<tr>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>TN</td>
<td>Vanadium</td>
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<td>TC</td>
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</tr>
<tr>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
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<td>Total Hardness</td>
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<td>Manganese</td>
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<td>Amm. Nitrogen</td>
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<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
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## Electric Log:
- **Transmissivity:** mi²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

Printed on 2/20/98
**SW 36-053-01 W5M**

**Well Number 07536**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 m
- **NPWL (m):** 12.8
- **Verified NPWL (m):** Abandonment:

**Casing:**
- **Type:** Plastic
- **Depth (m):** 34.4
- **Bottom (m):** 34.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tablet
- **from (m):** to 27.4

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 34.4 to **to** 36.0 **Size:** 0.01
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m): 36.0

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):** 25.6
- **Drawdown (m):** 12.8
- **Rec'd intake (m):** 27.4
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**

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<tr>
<th>Type of Work:</th>
<th>Old Well-Abandoned</th>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth (m):</td>
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</tr>
<tr>
<td>NPWL (m):</td>
<td>[value]</td>
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<tr>
<td>Abandonment:</td>
<td>Bentonite Product 25 Jan 96</td>
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**Casing:**

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<tr>
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<tr>
<td>Depth (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
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**Liner:**

<table>
<thead>
<tr>
<th>Type:</th>
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<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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**Screen:**

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<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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**Open Hole:**

| from (m): | to |

**Pump:**

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
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</thead>
</table>

**Testing:**

- Rate (lpm): [value]
- Time (minute): [value]
- Level End (m): [value]
- Drawdown (m): [value]
- Rec'd intake (m): [value]
- Rec'd Rate (lpm): [value]

**Laboratory:**

<table>
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<tr>
<th>pH (pH unit):</th>
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<tbody>
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<td>Cond. (µS/cm)</td>
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<td>Strontium</td>
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<td>Magnesium</td>
<td>TC</td>
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<td>Hydroxide</td>
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<td>Nitrate &amp; Nitrite N</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**SW 36-053-01 W5M**

Well Owner: **Nott, G.**  
Drilling Contractor: **Cobob Pumps And Services Ltd.**

**Well Number 07538**  
Elevation (AMSL) (m): **746**  
AEP: **435728**  
Licence No.:  
Date Started: **22 Jan 96**  
Easting: **64,749.30**  
Date Completed: **23 Jan 96**  
Northing: **5,939,042.50**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 30.5 (m)  
- **NPWL (m):** 4.9  
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Plastic  
- **Depth (m):** 27.7  
- **Bottom (m):** 27.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tablet  
- **from (m):** 3.1  
- **to:** 6.1

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**

### Screen:
- **Material:** St  
- **OD (mm):** 1.5  
- **from (m):** 27.7  
- **to:** 29.3  
- **Size:** 0.01

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Gould 5g05422  
- **Intake (m):** 24.4

### Testing:
- **Rate (lpm):** 205.2  
- **Time (minute):** 120.0  
- **Levell End (m):** 24.4  
- **Drawdown (m):** 19.5  
- **Rec'd Rate (lpm):** 205.2  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TN:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TC:**  
- **Magnesium:**  
- **Zinc:**  
- **St:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- ** Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:**  
- **Gamma Log:**  
- **Aquifer Test:**  
- **Database:**  
- **Project:**  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 55.8 (m)  
**NPWL (m):** 10.7  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:** Steel  
- **Depth (m):** 44.2  
- **Bottom (m):** 44.2  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Drive Shoe

**Liner:**

- **Type:**  
- **OD (mm):** 101.6  
- **Thickness (mm):**  
- **Top (m):** 43.9  
- **Bottom (m):** 55.8  

**Perforated How:** Machine

**Screen:**

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  

**Open Hole:**

- **from (m):** to  

**Pump:**

- **Model:**  
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**

- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Nitrate:**  
- **Sodium:**  
- **Strontium:**  
- **Potassium:**  
- **Manganese:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Molybdenum:**  
- **Sulphate:**  
- **Phosphate:**  
- **Chloride:**  
- **Iron:**  
- **Iron:**  
- **TOC:**  
- **Copper:**  
- **Silica:**  
- **Lead:**

- **Chemical Constituents are in mg/l (ppm), Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 07539**

- **Well Owner:** Anderson Homes
- **Drilling Contractor:** Kap'S Drilling Ltd.
- **Elevation (AMSL) (m):** 740  
- **AEP:** 410537  
- **Licence No.:**  
- **Date Started:** 18 Oct 83  
- **Easting:** 64,686.28  
- **Date Completed:** 18 Oct 83  
- **Northing:** 5,939,424.00

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<tbody>
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<td>19.8</td>
<td>720.3</td>
<td>Sand &amp; Gravel Coarse Grained B</td>
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<td>42.1</td>
<td>698.0</td>
<td>Clay Blue</td>
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<td>47.9</td>
<td>692.2</td>
<td>Shale</td>
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<td>53.6</td>
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<tr>
<td>55.8</td>
<td>684.3</td>
<td>Shale</td>
</tr>
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**Chemical Constituents**:

- **Barium**: Total Hardness
- **Beryllium**: Phosphate
- **Bicarbonate**: Total Hardness
- **Boron**: Nitrate
- **Calcium**: Total Hardness
- **Chloride**: Total Hardness
- **Chlorine**: Total Hardness
- **Cobalt**: Total Hardness
- **Copper**: Total Hardness
- **Cadmium**: Total Hardness
- **Cadmium**: Biological Oxygen Demand
- **Carbonate**: Total Hardness
- **Chromium**: Molybdenum
- **Cobalt**: Total Hardness
- **Cyanide**: Total Hardness
- **Cyanide**: Total Hardness
- **Cyanide**: Total Hardness
- **Cyanide**: Total Hardness
- **Cyanide**: Total Hardness
- **Cyanide**: Total Hardness

**Remarks**:

- **Electric Log:** No  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Total Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 97.2 (m)
- **NPWL (m):** 35.0
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Galvanized Steel
- **Depth (m):** 72.8
- **Bottom (m):** 72.8
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Formation Seal
- **from (m):** to 72.8

### Liner:
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 96.3
- **Perforated How:** Torch
- **from (m):** to 96.3
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 29.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** \( \text{m}^2/\text{day} \)
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:**
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**  
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 94.5 (m)  
NPWL (m): 27.4  
Verified NPWL (m):  
Abandonment:  
**Casing:**  
Type: Plastic  
Depth (m): 54.9  
Bottom (m): 54.9  
OD (mm): 152.4  
Thickness (mm): 0.2  
Seal Type: Shale Trap & Bentonite  
from (m): 33.5  
to 54.9  
**Liner:**  
Type:  
OD (mm): 114.3  
Thickness (mm): 0.1  
Top (m): 51.8  
Bottom (m): 94.5  
Perforated How: Saw  
from (m): 82.3  
to 94.5  
Size:  
from (m):  
to  
Size:  
**Screen:**  
Material:  
OD (mm):  
from (m):  
to  
Size:  
from (m):  
to  
Size:  
**Open Hole:**  
from (m):  
to  
**Pump:**  
Model: Jacuzzi  
Intake (m): 82.3  
**Testing:**  
Rate (lpm): 31.9  
Time (minute): 120.0  
Level End (m): 82.3  
Drawdown (m): 54.9  
Rec'd Rate (lpm): 82.3  
Rec'd intake (m): 22.8  
**Laboratory:**  
| pH (pH unit) | COD | Mercury |  
| Cond. (µS/cm) | SAR | Nickel |  
| TDS | TKN | Selenium |  
| Sodium | Nitrate | Strontium |  
| Potassium | Nitrite | Molybdenum |  
| Calcium | TN | Vanadium |  
| Magnesium | TC | Zinc |  
| Carbonate | DIC | Hydroxide |  
| Bicarbonate | Arsenic | Total Hardness |  
| Aluminium | Barium | Manganese |  
| Sulphate | Beryllium | Phosphate |  
| Chloride | Cadmium | Iron Balance |  
| Fluoride | Chromium | Amm. Nitrogen |  
| Iron | Cobalt | Total Phosphate |  
| TOC | Copper | Total Alkalinity |  
| Silica | Lead | Nitrate&Nitrite N |  
**Chemical Constituents are in mg/l (ppm). Except as noted.**  
**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  

**Depth Elevation (BGL) (AMSL) (m)**  
| (m) | (m) | Lithologic Description |  
| 9.1 | 761.0 | Silt Brown |  
| 33.5 | 736.6 | Clay Blue |  
| 39.6 | 730.5 | Silt Blue |  
| 54.9 | 715.3 | Clay Blue |  
| 57.9 | 712.2 | Shale Green |  
| 64.0 | 706.2 | Sandstone |  
| 71.6 | 698.5 | Shale |  
| 82.3 | 687.9 | Sandstone |  
| 91.4 | 678.7 | Shale Gray |  
| 94.5 | 675.7 | Sandstone |  

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
# NE 01-053-02 W5M

**Well Owner:** Freidenberg, A  
**Drilling Contractor:** Cobob Pumps And Services Ltd.  
**Elevation (AMSL) (m):** 766  
**AEP:** 366851  
**Licence No.:** 13 Oct 92  
**Date Completed:** 16 Oct 92  
**Easting:** 55,915.86  
**Northing:** 5,931,868.00  

## General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth (m):** 103.6  
- **NPWL (m):** 45.4  
- **Abandonment:**  

## Casing:
- **Type:** Plastic  
- **Depth (m):** 75.3  
- **Bottom (m):** 75.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 73.8  

## Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 70.1  
- **Bottom (m):** 103.6  

## Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

## Open Hole:
- **from (m):** to  

## Pump:
- **Model:** 5g05422  
- **Intake (m):** 79.2  

## Testing:
- **Rate (lpm):** 27.4  
- **Time (minute):** 420.0  
- **Level End (m):** 79.2  
- **Drawdown (m):** 33.8  
- **Rec’d intake (m):** 76.2  
- **Rec’d Rate (lpm):** 22.8  

## Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

## Electric Log:
- **Transmissivity:** m³/day  

## Gamma Log:
- **Storativity:**  

## Aquifer Test:
- **No**  

## Project:
- **Database:** 1.000H  

## AEP Data:
- **Yes**  
- **Well Field Verified:** No  

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** NE 01-053-02 W5M  
**Well Owner:** Grono, Dick  
**Drilling Contractor:** Summers, David Drilling

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<thead>
<tr>
<th>General</th>
<th>Lithologic Description</th>
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<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>2.4 767.7 Clay Sandy Brown</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td>3.4 766.8 Sand</td>
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<td>Well Use: <strong>Domestic</strong></td>
<td>16.8 753.4 Clay Brown</td>
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<td>Completed Depth 77.7 (m)</td>
<td>36.3 733.9 Clay Blue</td>
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<td>37.2 733.0 Sand</td>
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<td>37.5 732.7 Coal</td>
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<td>Liner:</td>
<td>40.5 729.6 Clay Brown</td>
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<td>Type: <strong>Plastic</strong></td>
<td>44.2 726.0 Sand &amp; Gravel</td>
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<td>48.8 721.4 Clay Brown</td>
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<td>OD (mm): 152.4 Thickness (mm): 0.1</td>
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<td>54.0 716.2 Clay</td>
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<td>Liner:</td>
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<td>65.5 704.6 Shale Green</td>
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<td>Top (m): 53.3 Bottom (m): 77.7</td>
<td>68.6 701.6 Sandstone Gray</td>
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<tr>
<td>Liner:</td>
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<tr>
<td>Type:</td>
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<td>Depth (m): 53.3 to 77.7</td>
<td>77.7 692.4 Sandstone Gray</td>
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<td>Pump: <strong>Sub</strong></td>
<td>53.3 to 77.7</td>
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<td>Model: <strong>Jacuzzi</strong></td>
<td>53.3 to 77.7</td>
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<td>Intake (m): 51.8</td>
<td>53.3 to 77.7</td>
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<td>Rate (lpm): 45.6</td>
<td>53.3 to 77.7</td>
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<td>Time (minute): 180.0</td>
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<td>Level End (m): 42.7</td>
<td>53.3 to 77.7</td>
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<td>Drawdown (m): 18.3</td>
<td>53.3 to 77.7</td>
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<tr>
<td>Rec'd Rate (lpm): 52.2</td>
<td>53.3 to 77.7</td>
</tr>
<tr>
<td>Rec'd intake (m): 36.5</td>
<td>53.3 to 77.7</td>
</tr>
</tbody>
</table>

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 77.7 m
- **NPWL (m):** 25.9 m
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
  - **Depth (m):**
  - **Bottom (m):**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Seal Type:** Welded Ring
  - **from (m):** to 57.9

## Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):**
  - **Bottom (m):** 72.2
- **Perforated How:**
  - **from (m):** to 72.2
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Jacuzzi
- **Intake (m):**
- **Rate (lpm):** 36.5
- **Time (minute):** 1500.0
- **Level End (m):** 41.2
- **Drawdown (m):** 15.2
- **Rec'd intake (m):** 57.9
- **Rec'd Rate (lpm):** 36.5

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Molybdenum:**
- **Cadmium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Iodine:**
- **Nitrate:**
- **Barium:**
- **Nitrite:**
- **Beryllium:**
- **Phosphate:**
- **Iron:**
- **Manganese:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Arsenic:**
- **Total Hardness:**
- **Beryllium:**
- **Sodium:**
- **Manganese:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

```
Chemical Constituents are in mg/l (ppm). Except as noted.
```
## General:
Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**
Completed Depth: 96.9 (m)  
NPWL (m): 45.7  
Verified NPWL (m):  
Abandonment:  

### Casing:
- **Type:** Steel  
- **Depth (m):** 74.1  
- **Bottom (m):** 74.1  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Drive Shoe  
- **from (m):** 73.8  
- **to:** 74.1

### Liner:
- **Type:** Steel  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 70.1  
- **Bottom (m):** 96.9  
- **Perforated How:** Hand Drill  
- **from (m):** 73.8  
- **to:** 95.4  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:** Size:  
- **from (m):**  
- **to:** Size:  

### Open Hole:
- **from (m):**  
- **to:**  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 36.5  
- **Time (minute):** 180.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 15.2  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

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**Well Number 07545**  
**Elevation (AMSL) (m):** 772  
**AEP:** 354677  
**Licence No.:** Easting: 55,821.54  
**Date Started:** 22 Jan 91  
**Northing:** 5,931,652.50  
**Date Completed:** 23 Jan 91  
**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number**: 07546

**Well Owner**: Mohnar, Roy

Drilling Contractor: Unknown Driller

**Elevation (AMSL) (m)**: 770

**Licence No.**: Easting: 55,963.77

**Date Started**: Northing: 5,931,676.50

**Date Completed**:

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<tr>
<td><strong>OD (mm)</strong>:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td><strong>Open Hole</strong>:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<table>
<thead>
<tr>
<th>Pump</th>
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<tr>
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<tr>
<td><strong>Intake (m)</strong>:</td>
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<tr>
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<td>Drawdown (m):</td>
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<tr>
<td><strong>Rec'd intake (m)</strong>:</td>
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<td><strong>Cond. (µS/cm)</strong>:</td>
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<td>TDS</td>
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<td>Sodium</td>
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<td>Calcium</td>
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<td>Magnesium</td>
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<td>Bicarbonate</td>
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<td>Iron</td>
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<td><strong>TN</strong>:</td>
<td>Vanadium</td>
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<td><strong>TC</strong>:</td>
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<td><strong>DIC</strong>:</td>
<td>Hydroxide</td>
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<td><strong>Beryllium</strong>:</td>
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<td><strong>Cadmium</strong>:</td>
<td>Ion Balance</td>
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<td><strong>Chromium</strong>:</td>
<td>Amm. Nitrogen</td>
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<tr>
<td><strong>Cobalt</strong>:</td>
<td>Total Phosphate</td>
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<tr>
<td><strong>Copper</strong>:</td>
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<tr>
<td><strong>Lead</strong>:</td>
<td>Nitrate&amp;Nitrite N</td>
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<td>Storativity</td>
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<tr>
<td>Aquifer Test</td>
<td>No</td>
<td></td>
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<td>Project</td>
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<tr>
<td>Database</td>
<td>1.000H</td>
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</table>

AEP Data: Yes  
Well Field Verified: No

**Remarks**:  
Water Well Positioned by PFRA in 10TM NAD 27  

*Chemical Constituents are in mg/l (ppm). Except as noted.*
NE 01-053-02 W5M

Well Owner: Morrison, Chuck
Drilling Contractor: D&D Water Well Drilling & Services

Well Number 07547

Elevation (AMSL) (m): 774
AEP: 404865
Licence No.: 55.799.08
Date Started: 02 Nov 94
Easting: 5,931,573.50
Date Completed: 03 Nov 94
Northing: 5,931,573.50

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 99.4 (m)
- NPWL (m): 34.4
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 71.0
- Bottom (m): 71.0
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): 71.0

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 69.5
- Bottom (m): 99.4

Perforated How: Saw
- from (m): 82.3
- to: 97.5
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to
- Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 99.4

Testing:
- Rate (lpm): 63.9
- Time (minute): 120.0
- Level End (m): 78.6
- Drawdown (m): 44.2
- Rec'd intake (m): 54.9
- Rec'd Rate (lpm): 22.8

Laboratory:
- pH (pH unit): COD
- SAR: Mercury
- TDS: Nickel
- Sodium: Strontium
- Nitrate: Selenium
- Potassium: Molybdenum
- Nitrite: Vanadium
- Calcium: Zinc
- Magnesium: Hydroxide
- Carbonate: Total Hardness
- Bicarbonate: Manganese
- Sulphate: Phosphate
- Beryllium: Ion Balance
- Chloride: Amm. Nitrogen
- Fluoride: Cobalt
- Iron: Total Phosphate
- TOC: Total Alkalinity
- Silicon: Lead
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NE 01-053-02 W5M**

**Well Owner:**  
Nuxoll, Richard

**Drilling Contractor:**  
Midwest Water Well Ltd.

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<tr>
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<td>Drilling Method:</td>
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<tr>
<td>Well Use:</td>
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<td>Abandonment:</td>
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<td>Casing:</td>
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<td>Depth (m):</td>
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<tr>
<td>from (m):</td>
<td>to 79.2</td>
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<tr>
<td>Liner:</td>
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<tr>
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<td>OD (mm):</td>
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<td>Perforated How:</td>
<td>Hand Drill</td>
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<tr>
<td>from (m):</td>
<td>to 97.5</td>
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<tr>
<td>Size:</td>
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<td></td>
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<tr>
<td>Material:</td>
<td></td>
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<td>OD (mm):</td>
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<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
<tr>
<td>Open Hole:</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to Size:</td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
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<tr>
<td>Model:</td>
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<tr>
<td>Intake (m):</td>
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<td>Drawdown (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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| Laboratory: | |
| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS: | TKN |
| Sodium: | Nitrate |
| Potassium: | Nitrite |
| Calcium: | TN |
| Magnesium: | TC |
| Carbonate: | DIC |
| Bicarbonate: | Arsenic |
| Aluminium: | Barium |
| Sulphate: | Beryllium |
| Chloride: | Cadmium |
| Fluoride: | Chromium |
| Iron: | Cobalt |
| TOC: | Copper |
| Silica: | Lead |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Depth Elevation (BGL) (AMSL):**

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<th>Lithologic Description</th>
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<th>(m)</th>
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<td>Clay Blue</td>
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<td>Sand &amp; Coal</td>
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<td>Sand &amp; Gravel Rounded</td>
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<td>Sandstone</td>
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<tr>
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<td>670.0</td>
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| Electric Log: | No |
| Transmissivity: | m³/day |
| Gamma Log: | No |
| Storativity: | |
| Aquifer Test: | No |
| Project: | |
| Database: | 1.000H |
| AEP Data: | Yes |
| Well Field Verified: | No |

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### NW 01-053-02 W5M

**Well Number:** 07549

**Well Owner:** Birchland Builders

**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 744

**AEP:** 377791

**Licence No.:** Easting: 55,101.18

**Date Started:** 10 Oct 92

**Nothing:** 5,931,698.00

**Date Completed:** 12 Oct 92

---

#### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 20.7
- **Verified NPWL (m):** 
- **Abandonment:**

#### Casing:

- **Type:** Plastic
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 36.6

#### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

#### Screen:

- **Material:** PI
- **OD (mm):** 1.4
- **from (m):** 48.8 to 54.9
- **Size:** 0.01
- **from (m):** to Size:

#### Open Hole:

- from (m): to

#### Pump:

- **Model:** Berkley
- **Intake (m):** 48.8

#### Testing:

- **Rate (lpm):** 27.4
- **Time (minute):** 180.0
- **Level End (m):** 48.8
- **Drawdown (m):** 28.0
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):** 18.2

#### Laboratory:

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<td>TDS</td>
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<td>Sodium</td>
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<td>Strontium</td>
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<td>Potassium</td>
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<td>Lead</td>
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<td>Total Nitrate&amp;Nitrite</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

#### Electric Log:

- No

#### Gamma Log:

- No

#### Aquifer Test:

- No

#### Project:

- Database: 1.000H

#### AEP Data:

- Yes

- Well Field Verified: No

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 01-053-02 W5M**

**Well Owner:** Birchland Builders  
**Drilling Contractor:** Summers, David Drilling

**Well Number:** 07550  
**Elevation (AMSL) (m):** 747  
**AEP:** 443260

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<tr>
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<tr>
<th>Easting</th>
<th>Northing</th>
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<tr>
<td>55.202.32</td>
<td>5,931,716.00</td>
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**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 73.2 (m)  
- **NPWL (m):** 39.6  
- **Verified NPWL (m):**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Table

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 57.9  
- **Bottom (m):** 73.2  
- **Perforated How:** Saw

**Screen:**
- **Material:**
- **OD (mm):**

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**
- **Intake (m):** 64.0

**Testing:**
- **Rate (lpm):** 82.1  
- **Time (minute):** 120.0  
- **Level End (m):** 64.0  
- **Drawdown (m):** 24.4  
- **Rec'd intake (m):** 64.0  
- **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

- **Water Well Positioned by PFRA in 10TM NAD 27**

**Kadafeas**

**Ferrel**

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 54.9
- **Bottom (m):** 54.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 54.9

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 51.8
- **Bottom (m):** 82.3
- **Perforated How:** Saw
- **from (m):** 57.9 to 82.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:** Sub
- **Intake (m):** 73.2

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 73.2
- **Drawdown (m):** 48.8
- **Rec’d intake (m):** 61.0
- **Rec’d Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Boron:**
- **Phosphate:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **Vanadium:**
- **Total Hardness:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Manganese:**
- **Aluminum:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Silica:**
- **Organic Carbon (TOC):**
- **Total Carbon (TC):**
- **Total Organic Carbon (TOC):**
- **Manganese:**
- **Aluminum:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Silica:**

### Electric Log:
- **No**
- **Transmissivity:**
- **m²/day**

### Gamma Log:
- **No**
- **Storativity:**

### Aquifer Test:
- **No**

### AEP Data:
- **Project:** 1.000H
- **Database:**
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
NW 01-053-02 W5M

Well Owner: Birchland Builders
Drilling Contractor: Summers, David Drilling

Well Number 07552

Elevation (AMSL) (m): 744  AEP: 360263
Licence No.: 28 Jul 91  East: 55,101.18
Date Started: 28 Jul 91  Northing: 5,931,698.00
Date Completed: 31 Jul 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 96.0 (m)
NPWL (m): 36.6 Verified NPWL (m):
Abandonment:
Casing:
Type: Plastic
Depth (m): 96.0 Bottom (m): 96.0
OD (mm): 127.0 Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 67.1

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to Size:
from (m):
to Size:
from (m):
to Size:

Screen:
Material: PI
OD (mm): 1.4
from (m): 83.8 to 96.0 Size: 0.01
from (m):
to Size:

Open Hole:
from (m):
to

Pump: 18 Stage
Model: Jacuzzi  Intake (m): 82.3

Testing:
Rate (lpm): 27.4  Time (minute): 180.0
Level End (m): 82.3  Drawdown (m): 45.7
Rec’d intake (m): 88.4  Rec’d Rate (lpm): 18.2

Laboratory:
pH (pH unit)  COD  Mercury
Cond. (µS/cm)  SAR  Nickel
TDS  TKN  Selenium
Sodium  Nitrate  Strontium
Potassium  Nitrite  Molybdenum
Calcium  TN  Vanadium
Magnesium  TC  Zinc
Carbonate  DIC  Hydroxide
Bicarbonate  Arsenic  Total Hardness
Aluminum  Barium  Manganese
Sulphate  Beryllium  Phosphate
Chloride  Cadmium  Ion Balance
Fluoride  Chromium  Amm. Nitrogen
Iron  Cobalt  Total Phosphate
TOC  Copper  Total Alkalinity
Silica  Lead  Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 02/20/98
**NW 01-053-02 W5M**

**Well Owner:** Grono, Dick  
**Drilling Contractor:** Double R Drig

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<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<td></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Completed Depth 67.1 (m)</td>
<td></td>
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<tr>
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<td>Verified NPWL (m):</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
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<tr>
<td><strong>Casing:</strong></td>
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<td></td>
</tr>
<tr>
<td>Type: Plastic</td>
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<td></td>
</tr>
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<td>Depth (m): 54.9</td>
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<td>OD (mm): 127.0</td>
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</tr>
<tr>
<td>from (m): 53.3 to 54.9</td>
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<tr>
<td><strong>Liner:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type:</td>
<td></td>
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<tr>
<td>OD (mm): 127.0</td>
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<tr>
<td>Top (m): 54.9</td>
<td>Bottom (m): 67.1</td>
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<tr>
<td>Perforated How: Machine</td>
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<tr>
<td>from (m): 54.9 to 67.1</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
<td></td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
<td></td>
</tr>
<tr>
<td><strong>Screen:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OD (mm):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<td><strong>Open Hole:</strong></td>
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<td></td>
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<tr>
<td>from (m): to</td>
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</tr>
<tr>
<td><strong>Pump:</strong></td>
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<tr>
<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<td><strong>Testing:</strong></td>
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<tr>
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<td>Level End (m): 67.1</td>
<td>Drawdown (m): 44.2</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm): 31.9</td>
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<table>
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<th>Laboratory:</th>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tr>
<td>pH (pH unit)</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Carbonate</td>
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<td>Hydroxide</td>
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<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 15.5
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 55.5
- **Bottom (m):** 55.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 55.5

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Duro 5dd5t
- **Intake (m):** 45.7

## Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 2880.0
- **Level End (m):** 25.0
- **Drawdown (m):** 9.4
- **Rec'd Rate (lpm):** 45.7
- **Rec'd intake (m):** 18.2

## Laboratory:

<table>
<thead>
<tr>
<th>Parameter</th>
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<td>Cond. (µS/cm)</td>
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<tr>
<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<td>Iron</td>
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<td>Cobalt</td>
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</tr>
<tr>
<td>Total Phosphate</td>
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<td>TOC</td>
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<td>Copper</td>
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<tr>
<td>Total Alkalinity</td>
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<tr>
<td>silica</td>
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<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>Nitrate &amp; Nitrite</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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## Depth Elevation (BGL) (AMSL)

<table>
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<tr>
<th>Depth</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>7.6</td>
<td>739.5</td>
<td>Sand</td>
</tr>
<tr>
<td>45.7</td>
<td>701.4</td>
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<tr>
<td>48.8</td>
<td>698.3</td>
<td>Shale Gray</td>
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<tr>
<td>52.1</td>
<td>695.0</td>
<td>Shale Blue</td>
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<tr>
<td>55.8</td>
<td>691.3</td>
<td>Shale Gray</td>
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<td>56.1</td>
<td>691.0</td>
<td>Shale Sandy</td>
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<tr>
<td>59.7</td>
<td>687.3</td>
<td>Shale Hard Black</td>
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<tr>
<td>60.4</td>
<td>686.7</td>
<td>Shale Gray</td>
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<td>64.9</td>
<td>682.2</td>
<td>Shale Green</td>
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<td>65.5</td>
<td>681.6</td>
<td>Sandstone Hard</td>
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<tr>
<td>74.7</td>
<td>672.4</td>
<td>Shale</td>
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<tr>
<td>75.0</td>
<td>672.1</td>
<td>Sandstone Hard</td>
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<td>78.3</td>
<td>668.8</td>
<td>Shale</td>
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<tr>
<td>78.6</td>
<td>668.5</td>
<td>Sandstone</td>
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<tr>
<td>79.2</td>
<td>667.8</td>
<td>Shale</td>
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</table>

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**NW 01-053-02 W5M**

**Well Owner:** James, Bruce  
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th><strong>Well Number:</strong></th>
<th>07555</th>
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</thead>
<tbody>
<tr>
<td><strong>Elevation (AMSL) (m):</strong></td>
<td>744</td>
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<td><strong>AEP:</strong></td>
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<tr>
<td><strong>Northing:</strong></td>
<td>5,931,698.00</td>
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</tbody>
</table>

### General:

- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 83.8 m  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to

### Liner:

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**  
- **Intake (m):**

### Testing:

- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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<tr>
<th><strong>pH (pH unit):</strong></th>
<th><strong>COD:</strong></th>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td>Nitrite</td>
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<td>Carbonate</td>
<td>DIC</td>
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<td>Arsenic</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
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- Chemical Constituents are in mg/l (ppm). Except as noted.

###_depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Remarks:*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 77.7 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
  - **Depth (m):** 62.8
  - **Bottom (m):** 62.8
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 62.8

**Liner:**
- **Type:**
  - **OD (mm):**
    - **Top (m):**
      - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**
  - **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 22.8
  - **Time (minute):** 360.0
- **Level End (m):** 33.5
- **Drawdown (m):** 10.7
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: NW 01-053-02 W5M

Well Owner: Roetman, Kers

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 74.7 m
- NPWL: Verified NPWL
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 50.9
- Bottom (m): 50.9
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 50.6

Liner:
- Type:
- OD (mm): 76.2
- Thickness (mm):
- Top (m): Bottom (m): 74.7
- Perforated How: Machine
- from (m): to 48.8
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 31.9
- Time (minute): 420.0
- Level End (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica

- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead

- Mercury
- Nickel
- Selenium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphorus
- Total Alkalinity
- Nitrate
- Nitrite
- Lead
- nitrate

- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
SE 01-053-02 W5M

Well Owner: Ferguson, John
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 754
Licence No.: 365601
Date Started: 22 Jul 92

Well Number: 07558
Easting: 56,008.39
Norting: 5,930,839.00
Date Completed: 22 Jul 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 82.3 (m)
NPWL (m): 28.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 59.7 Bottom (m): 59.7
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 59.7

Liner:
Type:
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 56.4 Bottom (m): 81.4
Perforated How: Saw
from (m): to 81.4 Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 31.9 Time (minute): 420.0
Level End (m): 37.2 Drawdown (m): 8.8
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
ph (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL) Lithologic Description

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Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project:
AEP Data: Yes Database: 1.000H

printed on 2/20/98
**General:**
Type of Work: *New Well*
Drilling Method: *Rotary*
Well Use: *Domestic*

Completed Depth: 78.9 m
NPWL (m): 29.3
Verified NPWL (m): 55,952.36

Abandonment:

**Casing:**
Type: *Plastic*
Depth (m): 61.6
Bottom (m): 61.6
OD (mm): 152.4
Thickness (mm): 0.1

**Seal Type:** *Formation Seal*
from (m): to 61.6

**Liner:**
Type:  
OD (mm): 127.0
Thickness (mm): 0.1
Top (m): 59.7
Bottom (m): 78.0

**Perforated How:** *Saw*
from (m): 61.6 to 78.0
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Screen:**
Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Open Hole:**
from (m):  

**Pump:**
Model: *S5p4c02tl-02*
Intake (m): 51.2

**Testing:**
Rate (lpm): 31.9
Time (minute): 120.0
Level End (m): 43.3
Drawdown (m): 14.0
Rec'd Rate (lpm): 51.2
Rec'd intake (m): 31.9

**Laboratory:**
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07560

**Well Owner:** Stefaniw, Gene
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 109.7 (m)
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**
  - **Casing:**
    - **Type:** Steel
    - **Depth (m):** 83.2
    - **Bottom (m):** 83.2
    - **OD (mm):** 141.2
    - **Thickness (mm):** 0.1
    - **Seal Type:** Formation Seal
    - **from (m):** to 83.2
  - **Liner:**
    - **Type:**
    - **OD (mm):** 114.3
    - **Thickness (mm):**
    - **Top (m):** 83.2
    - **Bottom (m):** 109.7
    - **Perforated How:** Torch
    - **from (m):** 82.3 to 109.7
    - **Size:**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**
  - **Screen:**
    - **Material:**
    - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**
  - **Open Hole:**
    - **from (m):**
    - **Pump:**
      - **Model:**
      - **Intake (m):**

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Level End (m):** 85.3
- **Drawdown (m):** 57.9
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Nitrate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Mercury:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Total Nitrate:**
- **Nitrite:**
- **LEAD:**
- **Chloride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Mercury:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Total Nitrate:**
- **Nitrite:**
- **LEAD:**
- **Chloride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
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- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Mercury:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Total Nitrate:**
- **Nitrite:**
- **LEAD:**
- **Chloride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
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- **Copper:**
- **Lead:**
- **Nitrate:**
- **Mercury:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Total Nitrate:**
- **Nitrite:**
- **LEAD:**
- **Chloride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
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- **Chromium:**
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- **Copper:**
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- **Nitrate:**
- **Mercury:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Total Nitrate:**
- **Nitrite:**
- **LEAD:**
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- **TOC:**
- **Silica:**
- **pH:**
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- **Copper:**
- **Lead:**
- **Nitrate:**
- **Mercury:**
- **Nickel:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Total Nitrate:**
- **Nitrite:**
- **LEAD:**
- **Chloride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:** 13.7
- **Time (minute):** 420.0
- **Level End (m):** 85.3
- **Drawdown (m):** 57.9
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07561

**Well Owner:** Forsyth, Doug

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 741  
**AEP:** 397100  
**Licence No.:** Easting: 54,588.39  
**Date Started:** 13 Dec 93  
**Nothing:** 5,931,881.50  
**Date Completed:** 14 Dec 93

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 77.7 (m)  
- **NPWL (m):** 25.6  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 63.4  
- **Bottom (m):** 63.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 63.4

### Liner:
- **Type:**
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 61.0  
- **Bottom (m):** 76.8  
- **Perforated How:** Saw  
- **from (m):** 63.4 to 76.8  
- **from (m):** to 76.8  
- **from (m):** to 76.8

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **from (m):** to  
- **from (m):** to

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Jacuzzi  
- **Intake (m):** 39.6  

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):** 29.3  
- **Drawdown (m):** 3.7  
- **Rec'd intake (m):** 39.6  
- **Rec'd Rate (lpm):** 27.4

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **DIC:**
- **Sodium:**
- **Strontium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Cadmium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth**  
**Elevation**  
**(BGL) (AMSL)**  
**(m) (m)**  
**Lithologic Description**  
14.0 726.5 Clay Sandy Yellow  
27.4 713.1 Clay Blue  
36.6 703.9 Clay & Sand  
51.8 688.7 Clay Blue  
56.1 684.4 Shale Green  
63.1 677.4 Sandstone  
65.2 675.3 Shale Green  
75.6 664.9 Shale Sandy Gray  
77.7 662.8 Shale Green

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H  
**Project:**

**AEP Data:** Yes  
**Well Field Verified:** No

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(printed on 2/20/98)
**NW 02-053-02 W5M**

**Well Number:** 07562

**Well Owner:** Olson, Dave

Drilling Contractor: D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 745  
**AEP:** 397099  
**Licence No.:** Easting: 53,242.39  
**Date Started:** 12 Sep 94  
**Northing:** 5,931,464.00  
**Date Completed:** 13 Sep 94

**General:**

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  

**Completed Depth:** 76.2 (m)  
**NPWL (m):** 24.1  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:** Plastic  
- **Depth (m):** 59.1  
- **Bottom (m):** 59.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite  
**from (m):** to 59.1

**Liner:**

- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 57.6  
- **Bottom (m):** 76.2

**Perforated How:** Saw  
**from (m):** 64.0 to 76.2  
**Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):** 76.2

**Testing:**

- **Rate (lpm):** 63.9  
- **Time (minute):** 120.0
- **Level End (m):** 63.4  
- **Drawdown (m):** 39.3
- **Rec'd intake (m):** 48.8  
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Open Hole:**
- **Laboratory:**
- **Silica:**

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<td>Arsenic</td>
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<td>Beryllium</td>
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<tr>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

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<tr>
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<td>No</td>
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**SE 02-053-02 W5M**

**Well Owner:** Goebel, Jerry  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<tr>
<th>General:</th>
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<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>Drilling Method: <strong>Rotary</strong></td>
<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth: <strong>86.6</strong> (m)</td>
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<tr>
<td>NPWL (m): <strong>21.3</strong></td>
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<td>Abandonment:</td>
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<th>Casting:</th>
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<tr>
<td>Perforated How: <strong>Saw</strong></td>
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<td>from (m): <strong>59.1</strong></td>
<td>to</td>
<td><strong>85.6</strong></td>
</tr>
<tr>
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<td>to</td>
<td>Size:</td>
</tr>
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<td>from (m):</td>
<td>to</td>
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<tr>
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<td>OD (mm):</td>
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<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<thead>
<tr>
<th>Open Hole:</th>
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</thead>
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<td>from (m):</td>
<td>to</td>
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<thead>
<tr>
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<tbody>
<tr>
<td>Model: <strong>Jacuzzi</strong></td>
<td>Intake (m):</td>
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</tbody>
</table>

| Testing: |  |  |
| Rate (lpm): **31.9** | Time (minute): **420.0** |
| Level End (m): **48.8** | Drawdown (m): **27.4** |
| Rec’d intake (m): **48.8** | Rec’d Rate (lpm): **31.9** |

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<thead>
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<td>Mercury</td>
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<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
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<td>Vanadium</td>
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<td>Magnesium</td>
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<td>Bicarbonate</td>
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<td>Manganese</td>
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<td>Sulphate</td>
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<td>Chloride</td>
<td>Cadmum</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation (BGL) (AMSL)**

<table>
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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Clay Yellow</td>
<td>12.2</td>
<td>747.4</td>
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<tr>
<td>Clay Blue</td>
<td>17.7</td>
<td>741.9</td>
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<tr>
<td>Sand &amp; Coal</td>
<td>20.7</td>
<td>738.9</td>
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<tr>
<td>Clay Blue</td>
<td>24.4</td>
<td>735.2</td>
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<tr>
<td>Sand &amp; Coal</td>
<td>25.9</td>
<td>733.7</td>
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<tr>
<td>Clay Blue</td>
<td>30.5</td>
<td>729.1</td>
</tr>
<tr>
<td>Sand &amp; Coal</td>
<td>33.5</td>
<td>726.1</td>
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<tr>
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<td>53.0</td>
<td>706.6</td>
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<tr>
<td>Clay Blue</td>
<td>53.6</td>
<td>706.0</td>
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<tr>
<td>Clay Green</td>
<td>59.1</td>
<td>700.5</td>
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<tr>
<td>Clay Green</td>
<td>64.0</td>
<td>695.6</td>
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<tr>
<td>Clay Green</td>
<td>66.4</td>
<td>693.2</td>
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<tr>
<td>Clay Green</td>
<td>68.6</td>
<td>691.0</td>
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<tr>
<td>Clay Green</td>
<td>73.6</td>
<td>684.0</td>
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<tr>
<td>Clay Green</td>
<td>85.3</td>
<td>674.3</td>
</tr>
<tr>
<td>Clay Green</td>
<td>86.6</td>
<td>673.1</td>
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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**TOC:**  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
SE 02-053-02 W5M

Well Owner: Goebel, Jerry
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 07564

Elevation (AMSL) (m): 760
AEP: 36692
Licence No.: Easting: 54,313.61
Date Started: 10 Aug 92
Noting: 5,930,776.00
Date Completed: 11 Aug 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 96.0 (m)
NPWL (m): 19.8
Abandonment:

Casing:
Type: Plastic
Depth (m): 64.0
Bottom (m): 64.0
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 64.0

Liner:
Type:
OD (mm): 127.0
Thickness (mm): 0.1
Top (m): 61.9
Bottom (m): 95.1

Perforated How: Saw
from (m): 61.9 to 95.1

Screen:
Material:
OD (mm):
from (m): to
from (m): to

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 16.0
Time (minute): 420.0
Level End (m): 61.0
Drawdown (m): 41.2
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 61.0 (m)
- NPWL (m): 16.8
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 46.6
- Bottom (m): 46.6
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): to 46.6

**Liner:**
- Type: Shale Trap & Bentonite
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 45.7
- Bottom (m): 61.0
- Perforated How: Other
- from (m): to 59.4
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm): 22.8
- Time (minute): 180.0
- Level End (m): 42.7
- Drawdown (m): 25.9
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
- (BGL) (m)
- Lithologic Description

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<th>Elevation</th>
<th>Lithologic Description</th>
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<td>5.5</td>
<td>732.6</td>
<td>Clay Sandy Yellow</td>
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<td>18.9</td>
<td>719.2</td>
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<td>20.7</td>
<td>717.3</td>
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<td>31.7</td>
<td>706.4</td>
<td>Clay Sandy Blue</td>
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<tr>
<td>33.8</td>
<td>704.2</td>
<td>Sand &amp; Gravel</td>
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<td>35.0</td>
<td>703.0</td>
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<td>37.8</td>
<td>700.3</td>
<td>Sand &amp; Gravel</td>
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<td>39.9</td>
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<td>43.9</td>
<td>694.2</td>
<td>Sand</td>
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<tr>
<td>48.5</td>
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<td>683.8</td>
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</tr>
<tr>
<td>57.6</td>
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<td>Sandstone</td>
</tr>
<tr>
<td>61.0</td>
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</tr>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**NW 03-053-02 W5M**

**Well Owner:** Demchuk, Bill  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Well Number:** 07566  
**Elevation (AMSL) (m):** 738  
**AEP:** 357805  
**Licence No.:** 03-053-02 W5M

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**Easting:** 51,655.30  
**Northing:** 5,931,698.50

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<th>Elevation</th>
<th>Lithologic Description</th>
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<tr>
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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td></td>
<td></td>
<td>Clay Brown</td>
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<tr>
<td>Completed Depth 73.2 (m)</td>
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<td>7.9 730.3</td>
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<td>NPWL (m): 24.4</td>
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<tr>
<td>Abandonment:</td>
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<td></td>
<td>23.8 714.5</td>
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<tr>
<td>Casing:</td>
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<tr>
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<td>42.1 696.2</td>
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<td>43.6 694.7</td>
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<tr>
<td>from (m):</td>
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<td>Bottom (m): 73.2</td>
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<td>64.9 673.3</td>
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<td>Sandstone Light Gray</td>
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<tr>
<td>from (m): 61.0</td>
<td>to 73.2</td>
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<td>67.7 670.6</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
<td>71.3 666.9</td>
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<td>Material:</td>
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<td>Thickness (mm):</td>
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<tr>
<td>from (m): to</td>
<td>to</td>
<td></td>
<td>73.2</td>
</tr>
<tr>
<td>Open Hole:</td>
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<td></td>
<td>Other</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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<td>73.2</td>
</tr>
<tr>
<td>Pump:</td>
<td></td>
<td></td>
<td>Other</td>
</tr>
<tr>
<td>Model:</td>
<td>Intake (m): 45.7</td>
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<td>Rate (lpm): 27.4</td>
<td>Time (minute): 120.0</td>
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<td>Level End (m): 45.7</td>
<td>Drawdown (m): 21.3</td>
<td>Rec’d intake (m):</td>
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<tr>
<td>Rec’d intake (m):</td>
<td></td>
<td>Rec’d Rate (lpm):</td>
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</table>

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
Well Number: **07567**

**NW 03-053-02 W5M**

**Well Owner:** Pratt, Randy/Watt, Jackie  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 742  
**AEP:** 361095  
**Licence No.:** 52.102.70  
**Date Started:** 25 Sep 91  
**Northing:** 5,931,860.00  
**Date Completed:** 26 Sep 91

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### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 76.2 (m)  
**NPWL (m):** 29.0  
**Verified NPWL (m):**

**Abandonment:**

- **Casing:**  
  - **Type:** Plastic  
  - **Depth (m):** 61.0  
  - **Bottom (m):** 61.0  
  - **OD (mm):** 152.4  
  - **Thickmess (mm):** 0.2  
- **Seal Type:** Shale Trap & Bentonite  
  - from (m): to 61.0

**Liner:**

- **Type:**  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Top (m):** 59.4  
  - **Bottom (m):** 76.2

**Perforated How:** Saw

- from (m): 63.4 to 65.5  
  - Size:
- from (m): 70.1 to 76.2  
  - Size:
- from (m): to  
  - Size:

**Screen:**

- **Material:**  
  - **OD (mm):**
- from (m): to  
  - Size:
- from (m): to  
  - Size:

**Open Hole:**

- **from (m):**

**Pump:** Sub

- **Model:** 554513-S2  
  - Intake (m): 61.0

### Testing:

- **Rate (lpm):** 13.7  
  - Time (minute): 180.0  
  - Level End (m): 56.1  
  - Drawdown (m): 27.1  
  - Rec’d Rate (lpm): 64.0  
  - Rec’d intake (m): 13.7

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<th>Unit</th>
<th>Measurement</th>
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<tr>
<td>Silica</td>
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<td>TDS</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Lithologic Description**

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<td>15.5</td>
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<td>26.8</td>
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<td>50.3</td>
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<td>58.8</td>
<td>683.5</td>
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**Depth Elevation**

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<th>(AMSL)</th>
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<td>Clay</td>
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<tr>
<td>15.5</td>
<td>726.8</td>
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<td>26.8</td>
<td>715.5</td>
<td>Silt</td>
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<td>50.3</td>
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<td>686.7</td>
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<td>76.2</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

- **Electric Log:** No  
  - **Transmissivity:** m²/day  
  - **Gamma Log:** No  
  - **Storativity:**
- **Aquifer Test:** No  
  - **Database:** 1.000H  
  - **AEP Data:** Yes  
  - **Well Field Verified:** No

---

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 39.6
- **Bottom (m):** 39.6
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 39.6

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 36.6
- **Bottom (m):** 54.9

### Perforated How:

- **Hand Drill**
- **from (m):** 36.6 to 54.9
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 136.8
- **Time (minute):** 120.0
- **Level End (m):** 54.9
- **Drawdown (m):** 45.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 136.8

### Laboratory:

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### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation

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<td>54.9</td>
<td>683.3</td>
<td>Shale Gray</td>
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### Electric Log:

- No

### Gamma Log:

- No

### Aquifer Test:

- No

### Project:

- Database: 1.000H

### AEP Data:

- Yes

### Water Well Positioned by PFRA in 10TM NAD 27
**NW 03-053-02 W5M**

**Well Owner:** Schmidt, Tim  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 741  
**AEP:** 397101

**Date Started:** 19 May 94  
**Date Completed:** 19 May 94

---

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**Lithologic Description**

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<td>672.4</td>
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*Clay Yellow*  
*Clay Blue*  
*Clay Yellow*  
*Shale Green*  
*Shale Gray*  
*Sandstone*  
*Shale Sandy Gray*  
*Shale Green*

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*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

---

*printed on 2/20/98*
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 m
- **NPWL (m):** 19.8
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 44.2
- **Bottom (m):** 44.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** to 43.9

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):** 42.7
- **Bottom (m):** 61.0
- **Perforated How:** Other
- **from (m):** 44.2 to 59.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):** 82.1
- **Time (minute):** 120.0
- **Level End (m):** 42.7
- **Drawdown (m):** 22.9
- **Rec'd intake (m):** 39.0
- **Rec'd Rate (lpm):** 45.6

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Sulfate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Phosphate:**
- **Phosphate:**
- **Total Hardness:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

## Depth:
- **Elevation (BGL)(m):**
- **Lithologic Description**
- **Clay Brown**
- **Clay Gray**
- **Clay & Rocks Gray**
- **Clay See Comments Gray**
- **Shale Green**
- **Shale Gray**
- **Sandstone Gray**
- **Sandstone Light Gray**
- **Shale Trap**
- **Shale Gray**

## Testing:
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **AEP Data:** Yes
- **Database:** 1.000H
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
**NW 03-053-02 W5M**

**Well Owner:** Taylor, Robert

**Drilling Contractor:** Rodco Drilling

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**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 62.5 (m)
- **NPWL (m):** 14.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 45.7
- **Bottom (m):** 45.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Shale Trap
- **from (m):** to 45.7

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 44.2
- **Bottom (m):** 62.5

**Perforated How:** Machine

- **from (m):** to 62.5
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 59.4

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 59.4
- **Drawdown (m):** 44.8
- **Rec'd intake (m):** 54.9
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
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</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**NW 03-053-02 W5M**

Well Owner: **Troudt, Gerald**

Drilling Contractor: **Summers, David Drilling**

**Well Number 07572**

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth (m)</th>
<th>Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>4.6</td>
<td>738.3</td>
<td>Clay Brown</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
<td>32.0</td>
<td>710.9</td>
<td>Clay Blue</td>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
<td>41.2</td>
<td>701.8</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>Completed Depth 58.8 (m)</td>
<td>43.6</td>
<td>699.3</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>NPWL (m): 18.3</td>
<td>47.2</td>
<td>695.7</td>
<td>Shale Green</td>
</tr>
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<td>Abandonment:</td>
<td>49.7</td>
<td>693.2</td>
<td>Sandstone</td>
</tr>
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</table>

| Casings: | | | |
|----------|-----------|-------------------|
| Type: **Steel** | Depth (m): 46.3 | Bottom (m): 46.3 |
| OD (mm): 141.2 | Thickness (mm): 0.1 |
| Seal Type: **Welded Ring** | |
| from (m): | to 46.0 |

| Liners: | | | |
|---------|-----------|-------------------|
| Type: | OD (mm): 114.3 | Thickness (mm): 0.1 |
| from (m): | to 58.8 |
| Top (m): | Bottom (m): 58.8 |

| Perforated How: **Machine** | Size: |
| from (m): | to 58.8 |
| from (m): | to Size: |

| Screen: | | | |
|---------|-----------|-------------------|
| Material: | OD (mm): |
| from (m): | to Size: |
| from (m): | to Size: |

| Open Hole: | | | |
|-----------|-----------|-------------------|
| from (m): | Insertion (m): |

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<tr>
<th>Pump:</th>
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<tr>
<td>Rate (lpm): 36.5</td>
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<tr>
<td>Level End (m): 44.2</td>
<td>Drawdown (m): 25.9</td>
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<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm): 31.9</td>
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</table>

<table>
<thead>
<tr>
<th>Laboratory:</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
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<td>Sodium</td>
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<td>Strontium</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 07573

SE 03-053-02 W5M

Well Owner: Bleker, Ernie

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 758

AEP: 355205

Licence No.: Easting: 53,022.47

Date Started: 21 Jan 91 Northing: 5,930,910.00

Date Completed: 24 Jan 91

General:

Type of Work: New Well

Drilling Method: Rotary

Well Use: Domestic & Stock

Completed Depth 96.0 (m)

NPWL (m): 29.0 Verified NPWL (m):

Abandonment:

Casing:

Type: Plastic

Depth (m): 81.7 Bottom (m): 81.7

OD (mm): 152.4 Thickness (mm): 0.1

Seal Type: Driven

from (m): to 81.7

Liner:

Type:

OD (mm): 127.0 Thickness (mm): 0.1

Top (m): 78.6 Bottom (m): 95.1

Perforated How: Machine

from (m): 78.6 to 95.1 Size:

from (m): to Size:

from (m): to Size:

Screen:

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

Open Hole:

from (m): to

Pump:

Model:

Intake (m):

Testing:

Rate (lpm): 9.1 Time (minute): 420.0

Level End (m): 45.7 Drawdown (m): 16.8

Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

pH (pH unit) COD Mercury

Cond. (µS/cm) SAR Nickel

TDS TKN Selenium

Sodium Nitrate Strontium

Potassium Nitrite Molybdenum

Calcium TN Vanadium

Magnesium TC Zinc

Carbonate DIC Hydroxide

Bicarbonate Arsenic Total Hardness

Aluminum Barium Manganese

Sulphate Beryllium Phosphate

Chloride Cadmium Ion Balance

Fluoride Chromium Amm. Nitrogen

Iron Cobalt Total Phosphate

TOC Copper Total Alkalinity

Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day

Gamma Log: No Storativity:

Aquifer Test: No

Project: 1.000H

AEP Data: Yes Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 03-053-02 W5M**

**Well Owner:** Brooks, M  
**Drilling Contractor:** Unknown Driller

**Well Number:** 07574  
**Well Owner:** AEP  
**Elevation (AMSL) (m):** 758  
**Licence No.:** 410545  
**Date Started:** 53.022.47  
**Northing:** 5,930,910.00

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth (m):** 45.7  
  - **NPWL (m):** 53,022.47  
  - **Verified NPWL (m):** unknown  
- **Abandonment:** Domestic

### Casing:
- **Type:**  
  - Depth (m):  
    - Bottom (m):  
  - Thickness (mm):  
  - OD (mm):  
  - Seal Type:  
  - OD (mm):  
  - Thickness (mm):  
- **Type:**  
  - Top (m):  
  - Bottom (m):  
  - Perforated How:
    - from (m):  
      - to:  
      - Size:  
    - from (m):  
      - to:  
      - Size:  
    - from (m):  
      - to:  
      - Size:

### Liner:
- **Type:**  
  - OD (mm):  
  - Thickness (mm):  
  - Top (m):  
  - Bottom (m):  
- **Perforated How:**
  - from (m):  
    - to:  
    - Size:  
  - from (m):  
    - to:  
    - Size:  
  - from (m):  
    - to:  
    - Size:

### Screen:
- **Material:**  
  - OD (mm):  
  - Thickness (mm):  
  - Top (m):  
  - Bottom (m):  
- **Perforated How:**
  - from (m):  
    - to:  
    - Size:  
  - from (m):  
    - to:  
    - Size:  
  - from (m):  
    - to:  
    - Size:

### Open Hole:
- **Model:**  
  - Intake (m):  
- **Testing:**
  - Rate (lpm):  
  - Time (minute):  
  - Level End (m):  
  - Drawdown (m):  
  - Rec’d intake (m):  
  - Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** 8.00  
- **Cond. (µS/cm):** 1407  
- **TDS:** 970.0  
- **Sodium:** 77.05  
- **Potassium:** 3.91  
- **Calcium:** 177.96  
- **Magnesium:** 53.99  
- **Carbonate:** DIC  
- **Bicarbonate:** 508.21  
- **Aluminium:** 508.21  
- **Barium:** 77.05  
- **Nitrate:** 1407  
- **Sulphate:** 409.22  
- **Chloride:** 970.0  
- **Fluoride:** 0.14  
- **Iron:** 11.25  
- **TOC:** 11.25  
- **Silica:** 12.20  

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**SE 03-053-02 W5M**

**Well Number: 07575**

**Well Owner:** Shott, Henry  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 746  
**AEP:** 367298  
**Licence No.:** Easting: 52,744.00  
**Date Started:** 27 Nov 92  
**Northing:** 5,931,083.00  
**Date Completed:** 27 Nov 92

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 85.3 (m)  
- **NPWL (m):** 27.4  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Steel  
- **Depth (m):** 64.6  
- **Bottom (m):** 64.6  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 64.6

**Liner:**
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 61.0  
- **Bottom (m):** 85.3  
- **Perforated How:** Hand Drill  
- **from (m):** 73.2 to 85.3  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):**  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
- **Intake (m):** 85.3

**Testing:**
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 85.3  
- **Drawdown (m):** 57.9  
- **Rec'd Rate (lpm):** 59.4  
- **Rec'd intake (m):** 68.4

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>16.1</td>
<td>730.2</td>
<td>Sand</td>
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<tr>
<td>36.6</td>
<td>709.8</td>
<td>Clay Silty</td>
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<td>50.9</td>
<td>695.5</td>
<td>Sand</td>
</tr>
<tr>
<td>55.5</td>
<td>690.9</td>
<td>Clay Silty</td>
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<td>61.9</td>
<td>684.5</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>74.1</td>
<td>672.3</td>
<td>Shale Green</td>
</tr>
<tr>
<td>75.6</td>
<td>670.8</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>76.5</td>
<td>669.9</td>
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<td>78.3</td>
<td>668.1</td>
<td>Shale Green</td>
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<td>80.8</td>
<td>665.6</td>
<td>Sandstone</td>
</tr>
<tr>
<td>85.3</td>
<td>661.0</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Sodium:**  
- **Nitrile:**  
- **Molybdenum:**  
- **Calcium:**  
- **TC:**  
- **Manganese:**  
- **Selenium:**  
- **Magnesium:**  
- **DIC:**  
- **Vanadium:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Molybdenum:**  
- **Beryllium:**  
- **Nitrate:**  
- **Phosphate:**  
- **Chloride:**  
- **Iodide:**  
- **Cadmium:**  
- **Lead:**  
- **Magnesium:**  
- **Sulphate:**  
- **Amm. Nitrogen:**  
- **Bicarbonate:**  
- **Iron:**  
- **Total Phosphate:**  
- **Chloride:**  
- **CO₂:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Total Dissolved Solids:**  
- **TOC:**  
- **Manganese:**  
- **Sulfate:**  
- **Chromium:**  
- **Bicarbonate:**  
- **Iron:**  
- **Total Phosphate:**  
- **Chloride:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Number: 07576

Well Owner: Bell, Dick
Drilling Contractor: Summers, David Drilling

Elevation (AMSL) (m): 741
AEP: 365175
Licence No.: Easting: 52,039.39
Date Started: 27 Oct 91
Northing: 5,930,800.50
Date Completed: 29 Oct 91

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 59.4 (m)
- NPWL (m): 12.8
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 48.8
- Bottom (m): 48.8
- OD (mm): 152.4
- Thickness (mm): 0.2
- Seal Type: Driven
- from (m): to 48.8

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 47.2
- Bottom (m): 59.4

Perforated How: Saw
- from (m): to 59.4
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 32.0

Testing:
- Rate (lpm): 68.4
- Time (minute): 180.0
- Level End (m):
- Drawdown (m): 19.2
- Rec’d intake (m):
- Rec’d Rate (lpm): 45.6

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Nitrate:
- Strontium:
- Potassium:
- Nitrite:
- Molybdenum:
- Calcium:
- TN:
- Vanadium:
- Magnesium:
- TC:
- Zinc:
- Carbonate:
- DIC:
- Hydroxide:
- Bicarbonate:
- Arsenic:
- Total Hardness:
- Aluminum:
- Barium:
- Manganese:
- Sulphate:
- Beryllium:
- Phosphate:
- Chloride:
- Cadmium:
- Ion Balance:
- Fluoride:
- Chromium:
- Amm. Nitrogen:
- Iron:
- Cobalt:
- Total Phosphate:
- TOC:
- Copper:
- Total Alkalinity:
- Silica:
- Lead:
- Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
SW 03-053-02 W5M

Well Owner: Chaput, Ralph
Drilling Contractor: Marwayne Water Well Drilling Services Lt

Elevation (AMSL) (m): 743
AEP: 365507
Licence No.: Easting: 51,608.84
Date Started: 10 Jun 92 Northing: 5,931,224.50
Date Completed: 11 Jun 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 79.2 (m)
NPWL (m): 18.0
Abandonment:

Casing:
Type: Plastic
Depth (m): 60.0
Bottom (m): 60.0
OD (mm): 152.4
Thickness (mm): 0.2
Seal Type: Shale Trap & Bentonite
from (m): to
59.1

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 58.2
Bottom (m): 79.2

Perforated How: Saw
from (m): 61.0
to 79.2
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 57.9
Testing:
Rate (lpm): 41.1
Time (minute): 120.0
Level End (m): 38.4
Drawdown (m): 20.4
Rec'd intake (m): 48.8
Rec'd Rate (lpm): 41.1

Laboratory:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminum: Barium
Sulphate: Beryllium
Chloride: Cadmium
Flouride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Well Number 07578
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Elevation (AMSL) (m):** 740
- **Licence No.:** 368748
- **Easting:** 51,713.21
- **Date Started:** 12 Nov 92
- **Northing:** 5,931,147.50
- **Date Completed:** 13 Nov 92

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<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>5.5</td>
<td>734.0</td>
<td>Clay Brown</td>
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<td>703.2</td>
<td>Clay &amp; Silt Gray</td>
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<tr>
<td>73.2</td>
<td>666.4</td>
<td>Shale</td>
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**Casing:**
- **Type:** Plastic
- **Depth (m):** 54.9
- **Bottom (m):** 54.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2

**Seal Type:** Shale Trap & Bentonite
- **from (m):** 54.0 to 54.9

**Liner:**
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 54.3
  - Bottom (m): 73.2
- **Perforated How:** Saw
- **Size:**
  - from (m): 56.4 to 73.2

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to 56.4
  - from (m): to 73.2

**Open Hole:**
- from (m): to

**Pump:**
- Intake (m): 53.3
- Rate (lpm): 36.5
- Time (minute): 420.0
- Level End (m): 39.9
- Drawdown (m): 20.7
- Rec'd intake (m): 53.3
- Rec'd Rate (lpm): 36.5

**Testing:**

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silicon: Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 65.5 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 49.4
- **Bottom (m):** 49.4
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Collar
- **from (m):** to 49.4

### Liner:
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 46.6
- **Bottom (m):** 65.5
- **Perforated How:** Torch
- **from (m):** 54.9 to 62.5
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to 0
- **Thickness:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 12.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Phosphate:**
- **Cadmium:**
- **Copper:**
- **Zinc:**
- **Beryllium:**
- **Phosphate:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Ion Balance:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Lithologic Description:
- **Depth:**
- **Elevation:**
- **BGL:**
- **AMSL:**
- **Lithologic Description:**
  - 7.3 734.1 Clay Sandy Yellow
  - 43.6 697.8 Clay Sandy Blue
  - 56.1 685.3 Shale Green
  - 62.5 678.9 Sandstone
  - 65.5 875.9 Shale Green

### Electric Log:
- **Transmissivity:** 1.000H
  - **m³/day**

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** Yes

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07580

**Well Owner:** Enders, Dave

Drilling Contractor: D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 741

**AEP:** 363257

**Date Started:** 15 May 89

**Easting:** 52,028.95

**Licence No.:**

**Date Completed:** 15 May 89

**Northing:** 5,930,773.00

**Drilling Contractor:**

**Well Number:**

**Printing Date:** 2/20/98
**Well Number: 07581**

**Enders, Dave**

**Kap'S Drilling Ltd.**

**Licence No.: Easting: 51,617.97**

**Date Started: 14 Mar 94**

**Drilling Contractor: Northing: 5,931,227.00**

**Date Completed: 14 Mar 94**

### General:

**Type of Work:** New Well

**Drilling Method:** Rotary

**Well Use:** Domestic

**Completed Depth:** 73.2 (m)

**NPWL (m):** 21.3

**Verified NPWL (m):**

**Abandonment:**

**Type:** Steel

**Depth (m):** 61.3

**Bottom (m):** 61.3

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** to 61.0

### Liner:

**Type:**

**OD (mm):** 88.9

**Thickness (mm):** 0.1

**Top (m):** 61.0

**Bottom (m):** 73.2

**Perforated How:** Saw

**from (m):** 61.3
to 72.8

**Size:**

**from (m):**
to Size:

**from (m):**
to Size:

### Screen:

**Material:**

**OD (mm):**

**from (m):**
to Size:

**from (m):**
to Size:

**Open Hole:**

**from (m):**
to

### Pump:

**Model:**

**Intake (m):** 48.8

**Testing:**

**Rate (lpm):** 31.9

**Time (minute):** 120.0

**Level End (m):** 48.8

**Drawdown (m):** 27.4

**Rec'd intake (m):** 48.8

**Rec'd Rate (lpm):** 31.9

### Laboratory:

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<th>Value</th>
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<td>Molybdenum</td>
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<td>Total Alkalinity</td>
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<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

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<td>Gamma Log</td>
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<td>Aquifer Test</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Owner: **Enders, Dave**
Drilling Contractor: **D&D Water Well Drilling & Services**

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<td>85.3</td>
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**Well Number: 07582**

| Elevation (AMSL) (m): | 746 |
| AEP: | 352280 |
| Licence No.: | Easting: 51,927.18 |
| Date Started: | Northing: 5,930,855.50 |
| Date Completed: | 02 Aug 90 |

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 85.3 (m)
- **NPWL (m):** 18.3
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 47.6
- **Bottom (m):** 47.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** 4.57 to 83.8
- **Size:**

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 46.9
- **Bottom (m):** 85.3
- **Perforated How:** Other
- **from (m):** 4.57 to 83.8
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 48.8
- **Drawdown (m):** 30.5
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Amm. Nitrogen:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphorus:**
- **Ion Balance:**
- **Cadmium:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** 19.8
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 52.7
- **Bottom (m):** 52.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 52.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Top (m):** 52.1
- **Bottom (m):** 79.2
- **Perforated How:** Saw
- **from (m):** to 79.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 25.9
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrates:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number: 07583**
- **Elevation (AMSL) (m):** 746
- **AEP:** 353715
- **Licence No.:**
- **Easting:** 51,927.18
- **Date Started:** 10 Sep 90
- **Northing:** 5,930,855.50
- **Date Completed:** 12 Sep 90

**Depth Elevation**
- **(BGL) (AMSL):**
- **Lithologic Description**
  - 13.7 732.3  Clay Silty Brown
  - 25.0 721.0  Clay Silty Gray
  - 36.9 709.1  Sand
  - 42.7 703.3  Sand & Gravel
  - 44.2 701.8  Shale Gray
  - 47.2 698.8  Shale Green
  - 49.7 696.3  Sandstone Gray
  - 66.1 679.9  Shale
  - 68.6 677.4  Sandstone
  - 75.0 671.0  Shale
  - 77.7 668.3  Sandstone
  - 79.2 666.8  Shale

**Electric Log:** No
**Transmissivity:** m³/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:**
**Database:** 1.000H

**AEP Data:** Yes
**Well Field Verified:** No

---

*printed on 2/20/98*
SW 03-053-02 W5M

Well Owner: Hawkins, Doug
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 737
Licence No.: 366255
Date Started: 18 Aug 92
Easting: 52,168.55
Date Completed: 18 Aug 92
Northing: 5,930,941.50

Well Number 07584

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 73.8 (m)
- NPWL (m): 13.1
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 45.7
- Bottom (m): 45.7
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentoni
- from (m): to 45.7

Liner:
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 45.1
- Bottom (m): 73.8

Perforated How: Saw
- from (m): 50.3 to 70.1
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m): 45.7

Testing:
- Rate (lpm): 91.2
- Time (minute): 120.0
- Level End (m): 29.0
- Drawdown (m): 15.9
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: KTN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphorus
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- Silica: Lead Nitrate&Nitrite N

- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 18.9
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 36.0 to 36.6

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 33.5
- **Bottom (m):** 64.0
- **Perforated How:** Saw
- **from (m):** 59.4 to 64.0
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 33.5

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 180.0
- **Level End (m):** 33.5
- **Rec'd intake (m):** 33.5
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TN:**
- **TNK:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Nickel:**
- **Selenium:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hexoxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth**

<table>
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<tr>
<th>(m)</th>
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<td>58.8</td>
<td>687.9 Shale Gray</td>
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<td>63.1</td>
<td>683.7 Sandstone Gray</td>
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<td>64.0</td>
<td>682.8 Shale Green</td>
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**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 11.0
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 48.8
- **Bottom (m):** 48.8
- **OD (mm):** 152.4
- **Thickness (mm):**
- **Seal Type:** Shale Trap
- **from (m):** to 48.8

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- ** Thickness (mm):** 0.1
- **Top (m):** 47.6
- ** Bottom (m):** 64.0
- **Perforated How:** Other
- **from (m):** to 51.2
- **to 64.0**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 120.0
- **Level End (m):** 42.7
- **Drawdown (m):** 31.7
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-053-02 W5M**

**Well Owner:** Mychajlunow, Joe  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Well Number:** 07587

**Elevation (AMSL) (m):** 732  
**AEP:** 350348  
**Licence No.:** Easting: 49,274.99  
**Date Started:** 02 Mar 90  
**Northing:** 5,930,527.50  
**Date Completed:** 05 Mar 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 59.4 (m)  
- **NPWL (m):** 6.1  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 37.8  
- **Bottom (m):** 37.8  
- **OD (mm):** 152.4  
- **Thickness (mm):**  
- **Seal Type:** Driven  
- **from (m):** to 37.8  

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Top (m):** 37.8  
- **Bottom (m):** 58.5  
- **Perforated How:** Machine  
- **from (m):** 37.8 to 58.5  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 12.2  
- **Drawdown (m):** 6.1  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphorus:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storativity:**

**Aquifer Test: No**  
**Project:** Database: 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Remarks:**

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**printed on 2/20/98**
### General

**Type of Work:** Test Hole  
**Drilling Method:** Unknown  
**Well Use:** Investigation  
**Completed Depth:** 44.2 m  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:**  

### Casing

**Type:**  
**Depth (m):** Bottom (m):  
**OD (mm):** Thickness (mm):  
**Seal Type:** from (m): to  

### Liner

**Type:**  
**OD (mm):** Thickness (mm):  
**Top (m):** Bottom (m):  
**Perforated How:** from (m): to Size:  
from (m): to Size:  
from (m): to Size:  

### Screen

**Material:**  
**OD (mm):** from (m): to Size:  
from (m): to Size:  

### Open Hole

from (m): to  

### Pump

**Model:**  
**Intake (m):**  
**Rate (lpm):**  
**Time (minute):**  
**Level End (m):** Drawdown (m):  
**Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory

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<td>Copper</td>
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<td>Lead</td>
<td></td>
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### Electric Log

**Transmissivity:** m²/day  
**Storativity:**  
**Aquifer Test:**  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

### Remarks

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 07589**

Well Owner: *Alta Env #1182e*
Drilling Contractor: *Alberta Environment*

Elevation (AMSL) (m): **733**
Licence No.: **733**
Date Started: **26 May 74**

---

### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 28.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **Screen Thickness (mm):**
- **OD (mm):**
- **from (m):** to **Size:**
- **Perforated How:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to **Size:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Sulfate:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **bicarbonate:**
- **arsenic:**
- **barium:**
- **manganese:**
- **sulfate:**
- **beryllium:**
- **phosphate:**
- **chloride:**
- **ion balance:**
- **fluoride:**
- **chromium:**
- **ammonium nitrogen:**
- **iron:**
- **cobalt:**
- **total phosphorus:**
- **TOC:**
- **copper:**
- **total alkalinity:**
- **silica:**
- **lead:**
- **nitrate & nitrite N:**

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Data:**
- **Electric Log:** Yes
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Printed on 2/20/98**
**General:**

- **Well Owner:** Benko, John
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.
- **Well Number:** NE 09-053-02 W5M
- **Elevation (AMSL) (m):** 721
- **AEP:** 361151
- **Date Started:** 05 Jul 83
- **Date Completed:** 06 Jul 83
- **Kitchen:** Laundry
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 60.7 (m)
- **NPWL (m):** 12.2
- **Abandonment:**
- **Casing:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 41.2
  - **Bottom (m):** 41.2
  - **OD (mm):** 114.3
  - **Thickness (mm):**
- **Seal Type:** Formation Seal
- **Liner:**
  - **Type:**
  - **OD (mm):** 88.9
  - **Thickness (mm):**
  - **Top (m):** 41.2
  - **Bottom (m):** 59.7
- **Perforated How:** Torch
  - **from (m):** to 59.7
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:** Intake (m):
  - **Rate (lpm):** 31.9
  - **Intake (m):**
  - **Time (minute):** 420.0
  - **Level End (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite**

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 07590**

- **Elevation (AMSL) (m):** 721
  - **AEP:** 361151
  - **Date Started:** 05 Jul 83
  - **Date Completed:** 06 Jul 83

**Lithologic Description**

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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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**Testing:**

- **Rate (lpm):** 31.9
  - **Time (minute):** 420.0
  - **Level End (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
Well Owner: Barteski, Tony
Drilling Contractor: Cobob Pumps And Services Ltd.

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<td>Completed Depth 99.4 (m)</td>
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<tr>
<td>from (m): 80.8 to 99.4 Size:</td>
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<tr>
<td>from (m): to Size:</td>
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<tr>
<td><strong>Screen:</strong></td>
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<tr>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m): to Size:</td>
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<tr>
<td>from (m): to Size:</td>
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<tr>
<td><strong>Open Hole:</strong></td>
<td></td>
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<tr>
<td>from (m): to</td>
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<tr>
<td><strong>Pump:</strong> Gould</td>
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<tr>
<td>pH (pH unit)</td>
<td>COD Mercury</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
<td>TKN Selenium</td>
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<tr>
<td>Magnesium</td>
<td>TC Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic Total Hardness</td>
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<tr>
<td>Aluminum</td>
<td>Barium Manganese</td>
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<td>Sulphate</td>
<td>Beryllium Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium Amm. Nitrogen</td>
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<td>Cobalt Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead Nitrate &amp; Nitrite N</td>
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<tr>
<td><strong>Remarks:</strong></td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
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Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 65.5 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log: Yes Transmissivity: m³/day
### Gamma Log: No Storativity:
### Aquifer Test: No Project: Database: 1.000H
### AEP Data: Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Owner:** Florkewich, Frank (Quad F Farm)

**Drilling Contractor:** D&D Water Well Drilling & Services

**Well Number:** 07593

**Elevation (AMSL) (m):** 732

**AEP:** 418225

**Licence No.:** 52,429.68

**Date Started:** 06 Nov 95

**Date Completed:** 06 Nov 95

### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 55.5 (m)
- **NPWL (m):** 15.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Plastic
- **Depth (m):** 39.0
- **Bottom (m):** 39.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

### Seal Type

- **Shale Trap & Bentoni**
- **from (m):** to 39.0

### Liner

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 37.5
- **Bottom (m):** 55.5

### Perforated How

- **Saw**
- **from (m):** 43.3 to 54.9
- **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **from (m):** to Size:

### Open Hole

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):** 55.5

### Testing

- **Rate (lpm):** 59.3
- **Time (minute):** 120.0
- **Level End (m):** 43.0
- **Drawdown (m):** 27.1
- **Rec’d intake (m):** 27.4
- **Rec’d Rate (lpm):** 22.8

### Laboratory

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Calcium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **Sulfate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Copper:**
- **Zinc:**
- **Trihalide:**
- **Barium:**
- **Manganese:**
- **Silica:**
- **Lead:**
- **Nitrate/Nitrite:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

- **Transmissivity:** m²/day
- **Storage:**

### Gamma Log

- **Storativity:**

### Aquifer Test

- **Project:**
- **Database:** 1.000H

### AEP Data

- **Yes**
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 11-053-02 W5M**

**Well Number:** 07594

**Well Owner:** Bissonnette, Theo Jr.

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 734

**AEP:** 397104

**Licence No.:** Easting: 53,453.91

**Date Started:** Northing: 5,933,169.00

**Date Completed:** 16 Jun 94

**Well Use:** 17 Jun 94

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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<td>Completed Depth: 64.0 (m)</td>
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<td>Abandonment:</td>
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<table>
<thead>
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</thead>
<tbody>
<tr>
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<tr>
<td>Depth (m): 50.3</td>
<td>Bottom (m): 50.3</td>
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<td>from (m): to 50.3</td>
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<tr>
<td>OD (mm): from (m): to</td>
<td>Size:</td>
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<tr>
<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<td>from (m): to</td>
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</thead>
<tbody>
<tr>
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<td>Cond. (µS/cm):</td>
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<tr>
<td>TDS:</td>
<td>TKN: Selenium</td>
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<tr>
<td>Sodium:</td>
<td>Nitrate: Strontium</td>
</tr>
<tr>
<td>Potassium:</td>
<td>Nitrite: Molybdenum</td>
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<tr>
<td>Calcium:</td>
<td>TN: Vanadium</td>
</tr>
<tr>
<td>Magnesium:</td>
<td>TC: Zinc</td>
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<tr>
<td>Carbonate:</td>
<td>DIC: Hydroxide</td>
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<td>Bicarbonate:</td>
<td>Arsenic: Total Hardness</td>
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<tr>
<td>Aluminium:</td>
<td>Barium: Manganese</td>
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<td>Beryllium: Phosphate</td>
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<td>Chloride:</td>
<td>Cadmium: Ion Balance</td>
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<td>Chromium: Amm. Nitrogen</td>
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<td>Iron:</td>
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<td>TOC:</td>
<td>Copper: Total Alkalinity</td>
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<tr>
<td>Silica:</td>
<td>Lead: Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

| Remarks: |  |
| --- |  |

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** 25.9 m
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** Bottom (m): 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Ring
- **from (m):** to 49.4

### Liner:

- **Type:**
- **OD (mm):** 101.6
- **Thickmess (mm):**
- **Top (m):** Bottom (m): 79.2

### Perforated How:

- **Type:** Machine
- **from (m):** 54.9 to 79.2
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Sub
- **Intake (m):** 45.7

### Laboratory:

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<td>Sodium</td>
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<td>Fluoride</td>
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<tr>
<td>TOC</td>
<td>0.5</td>
</tr>
<tr>
<td>Silica</td>
<td>0.5</td>
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### Testing:

- **Rate (lpm):** 18.2
- **Time (minute):** 180.0
- **Level End (m):** 45.7
- **Rec'd Rate (lpm):** 45.7

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Depth Elevation

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<th>BGL (m)</th>
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<tr>
<td>721.8</td>
<td>Clay &amp; Sand</td>
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<tr>
<td>711.1</td>
<td>Clay &amp; Silt Gray</td>
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<td>700.5</td>
<td>Till &amp; Clay Silty</td>
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<td>686.8</td>
<td>Shale Gray</td>
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<td>686.2</td>
<td>Shale Greenish Gray</td>
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<tr>
<td>685.8</td>
<td>Rocks</td>
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<tr>
<td>679.1</td>
<td>Shale Greenish Gray</td>
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<tr>
<td>673.7</td>
<td>Shale &amp; Sandstone Gray</td>
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<td>670.0</td>
<td>Shale Dark Green</td>
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<td>664.5</td>
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<td>659.3</td>
<td>Shale &amp; Sandstone Gray</td>
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<td>656.3</td>
<td>Shale Greenish Gray</td>
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<td>654.8</td>
<td>Shale &amp; Sandstone</td>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Owner:** Johnstone, Doug

**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 734

**AEP:** 363258

**Date Started:** 25 May 87

**Easting:** 53,453.91

**Date Completed:** 29 May 87

**Northing:** 5,933,169.00

**Licence No.:**

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NW 11-053-02 W5M**

**Well Owner:** Moe, Charlie  
**Drilling Contractor:** Summers, David Drilling

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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 50.9 (m)  
- **NPWL (m):** 16.5  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 49.4  
- **Bottom (m):** 49.4  
- **OD (mm):** 127.0  
- ** Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabi  
- **from (m):**  to 45.7

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**

### Screen:
- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 49.4  
- **Bottom (m):** 50.9  
- **Size:** 0.01

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):** 22.9

### Testing:
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0  
- **Level End (m):** 18.6  
- **Drawdown (m):** 2.1  
- **Rec'd intake (m):** 22.9  
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 11-053-02 W5M**

Well Owner: Zemenchik, Marie/Mike  
Drilling Contractor: Unknown Driller

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<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> Chemistry</td>
<td><strong>Lithologic Description</strong></td>
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<td><strong>Drilling Method:</strong> Unknown</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<td><strong>Completed Depth</strong> 85.3 (m)</td>
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<td><strong>Abandonment:</strong></td>
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<td><strong>Casing:</strong></td>
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<td><strong>Depth (m):</strong></td>
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<td><strong>to</strong></td>
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<tr>
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<td><strong>to</strong></td>
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<td><strong>from (m):</strong></td>
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<tr>
<td><strong>Testing:</strong></td>
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<td><strong>Rate (lpm):</strong></td>
<td><strong>Time (minute):</strong></td>
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<td><strong>Level End (m):</strong></td>
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<td><strong>Bromide:</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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*Chemical Constituents are in mg/l (ppm). Except as noted.*
Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 73.2 m
- NPWL (m): 27.4
- Verified NPWL (m): Abandonment:

**Casing:**
- Type: Steel
- Depth (m): 57.3
- Bottom (m): 57.3
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 57.3

**Liner:**
- Type: Driven
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 54.9
- Bottom (m): 73.2

**Perforated How:**
- Hand Drill
- from (m): 61.0 to 73.2
- Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): 73.2

**Testing:**
- Rate (lpm): 36.5
- Time (minute): 120.0
- Level End (m): 73.2
- Drawdown (m): 45.7
- Rec’d intake (m): 64.0
- Rec’d Rate (lpm): 31.9

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphorus
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**
(BGL) (AMSL) & Lithologic Description

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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>746.8</td>
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<td>35.0</td>
<td>723.3</td>
<td>Clay &amp; Rocks Silty</td>
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<td>44.2</td>
<td>714.1</td>
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<td>51.5</td>
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<td>52.1</td>
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<td>Clay</td>
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<td>57.3</td>
<td>701.0</td>
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<td>57.9</td>
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<tr>
<td>73.2</td>
<td>685.2</td>
<td>Shale Gray</td>
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</table>

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 58.8
- **Bottom (m):** 58.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 58.8

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 67.1

### Perforated How:
- **Hand Drill**
- **from (m):** 57.9 to 67.1

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 67.1
- **Testing:**
  - Rate (lpm): 54.7
  - Time (minute): 120.0
  - Level End (m): 67.1
  - Drawdown (m): 42.7
  - Rec'd intake (m):
  - Rec'd Rate (lpm): 54.7

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminium:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate & Nitrite:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- No Transmissivity: m²/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

---

Water Well Positioned by PFRA in 10TM NAD 27
Sw 11-053-02 W5M

Well Owner: Enright Steve

Well Number 07601

Elevation (AMSL) (m): 750
AEP: 351061
Licence No.: Easting: 55,395.28
Date Started: 12 Dec 89
Northing: 5,932,656.50
Date Completed: 14 Dec 89

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 73.2 (m)
NPWL (m): 25.0 Verifed NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 55.2 Bottom (m): 55.2
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven from (m): to 55.2

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.2
Top (m): Bottom (m):

Perforated How: Machine
from (m): 61.9 to 71.6 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 61.0

Testing:
Rate (lpm): 18.2 Time (minute): 480.0
Level End (m): 61.0 Drawdown (m): 36.0
Rec'd intake (m): Rec'd Rate (lpm): 13.7

Laboratory:
pH (pH unit) COD
Cond. (µS/cm) SAR
TDS TKN
Sodium Nitrate
Potassium Nitrite
Calcium TN
Magnesium TC
Carbonate DIC
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 m
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 57.0
- **Bottom (m):** 57.0
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1

### Seal Type:
- **Type:** Driven
- **from (m):** 56.4
- **to:** 57.0

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.3
- **Top (m):** 54.9
- **Bottom (m):** 67.1

### Perforated How:
- **Hand Drill
- **from (m):** 57.0
- **to:** 66.4

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 67.1

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 420.0
- **Level End (m):** 45.7
- **Drawdown (m):** 18.3
- **Rec'd intake (m):** 48.8
- **Rec'd Rate (lpm):** 68.4

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 73.8 (m)
NPWL (m): 34.1
Verifed NPWL (m):
Abandonment:

**Casing:**
Type: Plastic
Depth (m): 62.2
Bottom (m): 62.2
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): to 73.8

**Liner:**
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 61.0
Bottom (m): 73.8
Perforated How: Saw
from (m): 64.0 to 73.2 Size:
from (m): to Size:
from (m): to Size:

**Screen:**
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

**Open Hole:**
from (m): to

**Pump:**
Model: Intake (m): 61.0

**Testing:**
Rate (lpm): 36.5
Time (minute): 240.0
Level End (m): 48.8
Drawdown (m): 14.6
Rec’d intake (m): 51.8
Rec’d Rate (lpm): 27.4

**Laboratory:**
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07603

**Elevation (AMSL) (m):** 761
**AEP:** 369876
**Licence No.:**
**Date Started:** 04 Nov 92
**Easting:** 53,527.93
**Northing:** 5,932,365.50
**Date Completed:** 11 Nov 92

**Depth**

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<td>73.8</td>
<td>687.3</td>
<td>Shale Green</td>
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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 61.3
- **Bottom (m):** 61.3
- **OD (mm):** 152.4
- **Thickess (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 61.0
- **to:** 61.3

**Liner:**

- **OD (mm):** 114.3
- **Thickess (mm):** 0.1
- **Top (m):** 58.2
- **Bottom (m):** 73.2

**Perforated How:** Hand Drill

- **from (m):** 61.9
- **to:** 73.2
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:**

- **Model:**
- **Intake (m):** 73.2

**Testing:**

- **Rate (lpm):** 114.0
- **Time (minute):** 180.0
- **Level End (m):** 42.7
- **Drawdown (m):** 12.2
- **Rec'd intake (m):** 45.7
- **Rec'd Rate (lpm):** 68.4

**Laboratory:**

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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Electric Log</th>
<th>Transmissivity</th>
<th>Gamma Log</th>
<th>Storativity</th>
<th>Aquifer Test</th>
<th>Project</th>
<th>AEP Data</th>
<th>Database</th>
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<td>No</td>
<td>Storativity</td>
<td>No</td>
<td>Project</td>
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<td>1.000H</td>
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AEP Data: Yes, Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 33.5 m
- **NPWL (m):** 18.3
- **Elevation (AMSL) (m):** 758
- **Licence No.:** Easting:
- **Date Started:** 25 Apr 91
- **Drilling Contractor:** Northing:
- **Date Completed:** 25 Apr 91

### Lithologic Description
<table>
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<th>Depth (m)</th>
<th>Type of Work</th>
<th>Well Use</th>
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<th>Drilling Contractor:</th>
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<td>Landreville, Lynette</td>
<td>Summers, David Drilling</td>
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<td>Clay Silty Yellow</td>
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<td>Domestic</td>
<td>Landreville, Lynette</td>
<td>Summers, David Drilling</td>
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<tr>
<td>33.5</td>
<td>Sandstone</td>
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<td>Landreville, Lynette</td>
<td>Summers, David Drilling</td>
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</table>

### Lithologic Description
- **Type:** Plastic
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** 18.3

### Screen:
- **Material:** St
- **OD (mm):** 7.5
- **from (m):** 32.0
- **to:** 33.5
- **Size:** 0.01

### Pump:
- **Model:** Intake (m): 32.0

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 12.2
- **Rec'd Rate (lpm):** 22.8
- **Rec'd intake (m):**

### Laboratory:
- pH (pH unit) | COD | Mercury
- Cond. (µS/cm) | SAR | Nickel
- TDS | TKN | Selenium
- Sodium | Nitrate | Strontium
- Potassium | Nitrite | Molybdenum
- Calcium | TN | Vanadium
- Magnesium | TC | Zinc
- Carbonate | DIC | Hydroxide
- Bicarbonate | Arsenic | Total Hardness
- Aluminium | Barium | Manganese
- Sulphate | Beryllium | Phosphate
- Chloride | Cadmium | Ion Balance
- Fluoride | Chromium | Amm. Nitrogen
- Iron | Cobalt | Total Phosphate
- TOC | Copper | Total Alkalinity
- Silicon | Lead | Nitrate
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **TOC:** Database: 1.000H
- **Silica:** Lead
- **Silica:** Nitrate

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 37.2
- **Bottom (m):** 37.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Sand Pack
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 7.5
- **from (m):** 37.2 to 38.7
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 7.6
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation

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<td>Clay Sandy Blue</td>
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<td>Sand</td>
<td>39.0</td>
<td>715.8</td>
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<tr>
<td>Clay Blue</td>
<td>42.7</td>
<td>712.1</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
**Well Number:** 07607

**Well Owner:** Monea, Dwight

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 77.7 (m)
  - NPWL (m): 34.1
  - Verified NPWL (m): 18.9
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 64.9
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
  - **Seal Type:** Formation Seal
  - **Bottom (m):** 64.9

### Liner:

- **Type:**
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
  - **Top (m):** 63.4
  - **Bottom (m):** 76.8
- **Perforated How:** Saw
  - **from (m):** 64.9 to 76.8
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:

- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to

### Pump:

- **Model:**
  - **Intake (m):** 54.9
- **Testing:**
  - **Rate (lpm):** 11.4
  - **Time (minute):** 120.0
  - **Level End (m):** 50.3
  - **Drawdown (m):** 16.1
  - **Rec'd Rate (lpm):** 54.9
  - **Rec'd intake (m):** 9.1

### Laboratory:

- **pH (pH unit):**
  - **COD:**
  - **SAR:** Nickel
  - **TKN:** Selenium
  - **Sodium:** Nitrate
  - **Potassium:** Nitrite
  - **Calcium:** Molybdenum
  - **Magnesium:** Vanadium
  - **Carbonate:** TC
  - **Bicarbonate:** Zinc
  - **Sulphate:** Hydroxide
  - **Aluminium:** Total Hardness
  - **Barium:** Manganese
  - **Chloride:** Phosphate
  - **Fluoride:** Ion Balance
  - **Flouride:** Amm. Nitrogen
  - **Iron:** Cobalt
  - **TOC:** Total Phosphate
  - **Silica:** Total Alkalinity
  - **Lead:** Nitrate&Nitrite

### Depth Elevation Lithologic Description

- **(m) (m) (m) (m) (m) (m)**
- **Type:**
  - 18.9 739.4 Clay Sandy Yellow
  - 29.3 729.1 Clay Blue
  - 29.9 728.5 Sand Fine Grained
  - 30.5 727.9 Clay Blue
  - 31.7 726.6 Sand Fine Grained
  - 43.0 715.4 Clay Blue
  - 45.4 712.9 Sand
  - 46.0 712.3 Clay Blue
  - 46.9 711.4 Clay Sandy Blue
  - 61.9 696.5 Sand & Coal
  - 62.8 695.5 Gravel
  - 64.0 694.3 Rocks
  - 64.6 693.7 Clay Blue
  - 65.8 692.5 Shale Gray
  - 70.4 687.9 Shale Sandy Gray
  - 71.9 686.4 Shale Green
  - 73.2 685.2 Shale Sandy Gray
  - 74.4 684.0 Shale Green
  - 75.9 682.4 Shale Sandy Gray
  - 77.7 680.6 Shale Green

### Electric Log: No  Transmissivity: m³/day
### Gamma Log: No  Storativity:
### Aquifer Test: No
### Project:  Database: 1.000H
### AEP Data: Yes  Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 82.3 (m)
  - NPWL (m): 22.9
  - Verified NPWL (m): 
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 58.2
- **Bottom (m):** 58.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap
- **from (m):** 57.9

## Liner:
- **Type:** Shale Trap
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 82.3
- **Perforated How:** Machine
- **from (m):** 67.1
- **to:** 82.3

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

## Open Hole:
- **from (m):**
- **to:**

## Pump:
- **Model:** Jacuzzi
- **Intake (m):** 70.1

## Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 180.0
- **Level End (m):** 70.1
- **Drawdown (m):** 47.2
- **Rec'd Rate (lpm):** 79.2
- **Rec'd intake (m):** 22.8

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**

## Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 07608**

**Well Owner:** Siebenga, John

**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 753

**Licence No.:** Easting: 53,115.45

**Date Started:** 27 Aug 91

**Date Completed:** 30 Aug 91

**AEP: 360264**

**Norting:** 5,932,665.50

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 25.9
- **Verifed NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 57.9
- **Bottom (m):** 57.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- ** Thickness (mm):** 0.1
- **Top (m):** 54.9
- **Bottom (m):** 67.1
- **Perforated How:** Hand Drill
- **from (m):** 57.9 to 67.1
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to
  - Size:

**Open Hole:**
- **from (m):**
- **to**

**Pump:**
- **Model:**
- **Intake (m):** 67.1

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):** 67.1
- **Drawdown (m):** 41.2
- **Rec'd intake (m):** 61.0
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Selenium:**
- **Molybdenum:**
- **Calcium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 67.1 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

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<td>Rec'd Rate (lpm):</td>
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| Electric Log: No | Transmissivity: | m³/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: |
| AEP Data: Yes | Well Field Verified: No |

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**NW 12-053-02 W5M**

**Well Owner:** Barlund, D.&J.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 760

**Licence No.:** Easting: 55,008.28

**Date Started:** Northing: 5,933,108.00

**Well Number: 07611**

**Water Well Positioned by PFRA in 10TM NAD 27**

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### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 86.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):** Thickness (mm):
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbionate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log: No

### Gamma Log: No

### Aquifer Test: No

### Project: Database: 1.000H

### AEP Data: Yes

### Well Field Verified: No

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**Remarks:**

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### General:
- **Well Owner:** Ziprick, Dave
- **Drilling Contractor:** D&D Water Well Drilling & Services

### Depth Elevation (BGL) (AMSL)

<table>
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<tr>
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<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<td>105.2 654.2 Shale Gray</td>
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### Lithologic Description
- Clay Sandy Yellow
- Clay Sandy Blue
- Sand
- Clay Sandy Blue
- Sandstone
- Shale Green
- Shale Gray
- Sandstone
- Shale Gray
- Sandstone
- Shale Gray

### Laboratory:

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<td>Nitrate&amp;Nitrite</td>
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### Pump:
- **Model:** Intake (m): 76.2
  - **Rate (lpm):** 45.6
    - **Time (minute):** 120.0
  - **Level End (m):** 54.9
    - **Drawdown (m):** 18.6
  - **Rec'd intake (m):** 54.9
    - **Rec'd Rate (lpm):** 36.5

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 12-053-02 W5M**

**Well Owner:** Ady, John/Yvonne  
**Drilling Contractor:** Unknown Driller

**Well Number:** 07613

**Elevation (AMSL) (m):** 762  
**AEP:** 369029

**Date Started:**  
**Date Completed:**

**Licence No.:**  
**Easting:** 55,983.77  
**Northing:** 5,932,504.00

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<td><strong>(m)</strong></td>
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<tr>
<td><strong>Pump:</strong></td>
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<td><strong>Rate (lpm):</strong></td>
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<td><strong>Level End (m):</strong></td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 93.0 (m)
- **NPWL (m):** 36.6
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth:**
  - from (m): 80.8
  - to: 93.0
  - Bottom (m): 73.2
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1

## Seal Type:
- **Bentonite Chips/Tabl**
  - from (m): 80.8
  - to: 93.2

## Liner:
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm): 0.1
- **Top (m):** 80.8
- **Bottom (m):** 93.0

## Perforated How:
- **Machine**

## Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**

## Testing:
- **Rate (lpm):** 20.5
- **Time (minute):** 360.0
- **Level End (m):** 79.2
- **Drawdown (m):** 42.7
- **Rec’d intake (m):** 18.2

## Laboratory:
- **pH (pH unit):**
  - COD: Mercury
- **Cond. (µS/cm):**
  - SAR: Nickel
- **TDS:**
  - TKN: Selenium
- **Sodium:**
  - Nitrate: Strontium
- **Potassium:**
  - Nitrite: Molybdenum
- **Calcium:**
  - TN: Vanadium
- **Magnesium:**
  - TC: Zinc
- **Carbonate:**
  - DIC: Hydroxide
- **Bicarbonate:**
  - Arsenic: Total Hardness
- **Aluminum:**
  - Barium: Manganese
- **Sulphate:**
  - Beryllium: Phosphorus
- **Chloride:**
  - Cadmium: Ion Balance
- **Fluoride:**
  - Chromium: Amm. Nitrogen
- **Iron:**
  - Cobalt: Total Phosphate
- **TOC:**
  - Copper: Total Alkalinity
- **Silica:**
  - Lead: Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- No

## Gamma Log:
- No

## Aquifer Test:
- No

## Project:
- Database: 1.000H

## AEP Data:
- Yes

## Well Field Verified:
- No

---

Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

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**Printed on:** 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 91.4 m
- **NPWL (m):** 55,609.87
- **Verified NPWL (m):** Unknown
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** No

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 12-053-02 W5M**

**Well Owner:** Krouse, Doug  
**Drilling Contractor:** Summers, David Drilling

**Well Number 07616**

- **Elevation (AMSL) (m):** 771  
- **AEP:** 357920  
- **Licence No.:** Easting: 56,023.67  
- **Date Started:** 13 Sep 90  
- **Northing:** 5,932,556.00  
- **Date Completed:** 18 Sep 90

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### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 96.9 (m)  
- **NPWL (m):** 36.6  
- **Verified NPWL (m):**

### Abandonment:

- **Type:** Welded Ring  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** Welded Ring  
- **from (m):** to 85.3

### Liner:

- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** Bottom (m): 93.3

### Perforated How:

- **Machine**  
- **from (m):** to 85.3  
- **Size:**

### Screen:

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

### Open Hole:

- **OD (mm):**
- **from (m):** to

### Pump: Sub, 18 Stage

- **Model:** Jacuzzi  
- **Intake (m):** 79.2

### Testing:

- **Rate (lpm):** 9.1  
- **Time (minute):** 1440.0  
- **Level End (m):** 73.2  
- **Drawdown (m):** 36.6  
- **Rec'd Rate (lpm):** 9.1

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### Laboratory:

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<td>Iron Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

### Electric Log:

- **No**

### Gamma Log:

- **No**

### Aquifer Test:

- **No**

### Project:

- **Database:** 1.000H

### AEP Data:

- **Yes**
- **Well Field Verified:** No
**SE 12-053-02 W5M**

<table>
<thead>
<tr>
<th>Well Number</th>
<th>07617</th>
</tr>
</thead>
</table>

**Well Owner:** Krouse, Doug  
**Drilling Contractor:** Summers, David Drilling

**Elevation (AMSL) (m):** 762  
**AEP:** 365177  
**Date Started:** 29 May 92  
**Easting:** 55,983.77  
**Licence No.:** Easting:  
**Date Completed:** 31 May 92  
**Northing:** 5,932,504.00

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 105.2 (m)  
- **NPWL (m):** 30.5  
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Plastic  
- **Depth (m):** 76.2  
- **Bottom (m):** 76.2  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.2  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** 73.2 to 76.2

### Liner:
- **Type:** Plastic  
- **Depth (m):** 76.2  
- **Bottom (m):** 76.2  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 73.2  
- **Perforated How:** Saw  
- **from (m):** 91.4 to 105.2  
- **Size:**

### Screen:
- **Material:** Plastic  
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Jacuzzi  
- **Intake (m):** 91.4  
- **Rate (lpm):** 9.1  
- **Time (minute):** 1440.0  
- **Level End (m):** 76.2  
- **Drawdown (m):** 45.7  
- **Rec'd int (m):** 91.4  
- **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Potassium:**  
- **Magnesium:**  
- **Calcium:**  
- **Manganese:**  
- **Bicarbonate:**  
- **Carbonate:**  
- **Barium:**  
- **Aluminium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:**  
- **Chromium:**  
- **Iron:**  
- **Cobalt:**  
- **TOC:**  
- **Copper:**  
- **Silica:**  
- **Lead:**  
- **Mercury:**  
- **Nickel:**  
- **Selenium:**  
- **Molybdenum:**  
- **Strontium:**  
- **Sodium:**  
- **Nitrate:**  
- **Phosphate:**  
- **Iron:**  
- **Chromium:**  
- **Cobalt:**  
- **Copper:**  
- **Lead:**  
- **Nitrate & Nitrite:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
**SE 12-053-02 W5M**

**Well Owner:** Russell, Robert/Joanne  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m):</th>
<th>AEP:</th>
<th>Licence No.:</th>
<th>Easting:</th>
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<tr>
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<td>02 Nov 92</td>
<td>Date Completed:</td>
<td>03 Nov 92</td>
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**Well Number:** 07618

**Well Use:** Domestic

**Completed Depth:** 100.6 (m)  
**NPWL (m):** 36.9  
**Verified NPWL (m):**

**Abandonment:**

**Type of Work:** New Well

**Drilling Method:** Rotary

**Well Use:** Domestic

**Type:** Steel

**Depth (m):** 69.5  
**Bottom (m):** 69.5

**OD (mm):** 139.7  
**Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** to 68.9

**Liner:**

**Type:**

**OD (mm):** 114.3  
**Thickness (mm):** 0.1

**Top (m):** 32.0  
**Bottom (m):** 99.1

**Perforated How:** Machine

**from (m):** 74.7  
**to** 99.1

**Size:**

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to Size:

**Open Hole:**

**from (m):** to Size:

**Pump:** Sub

**Model:** Goulds 7g07412

**Intake (m):** 70.1

**Testing:**

**Rate (lpm):** 36.5  
**Time (minute):** 120.0

**Level End (m):** 70.1  
**Drawdown (m):** 33.2

**Rec’d intake (m):** 73.2  
**Rec’d Rate (lpm):** 27.4

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td>SAR</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
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<td>Strontium</td>
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<tr>
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<td>TC</td>
<td>Zinc</td>
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<td>Hydroxide</td>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H

**AEP Data:** Yes  
Well Field Verified: No
## SE 12-053-02 W5M

**Well Number:** 07619

**Well Owner:** Trudel Construction Job 90-108

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 760

**AEP:** 35279

**Licence No.:**

**Date Started:** 10 Sep 90

**Easting:** 56,153.72

**Northing:** 5,932,109.50

**Date Completed:** 12 Sep 90

### Depth Elevation

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<th>(m)</th>
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<td>Clay Sandy Yellow</td>
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<td>22.6</td>
<td>737.8</td>
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<td>34.4</td>
<td>725.9</td>
<td>Sand</td>
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<td>50.9</td>
<td>709.5</td>
<td>Clay Sandy Blue</td>
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<tr>
<td>54.3</td>
<td>706.1</td>
<td>Sand</td>
</tr>
<tr>
<td>66.8</td>
<td>693.6</td>
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<tr>
<td>71.0</td>
<td>689.3</td>
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<td>77.4</td>
<td>682.9</td>
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<td>80.2</td>
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<tr>
<td>84.7</td>
<td>675.6</td>
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<tr>
<td>88.1</td>
<td>672.3</td>
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</tr>
<tr>
<td>95.4</td>
<td>665.0</td>
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<tr>
<td>101.5</td>
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</tr>
<tr>
<td>103.6</td>
<td>656.7</td>
<td>Sandstone</td>
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</table>

### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 (m)
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Plastic
- **Depth:** 73.2 (m)
- **Bottom:** 73.2 (m)
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from:** (m) to 73.2

### Liner

- **Type:** Other
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 73.2
- **Bottom (m):** 103.6
- **Perforated How:** Other
- **from:** (m) to 103.6
- **Size:**
- **from:** (m) to Size:
- **from:** (m) to Size:

### Screen

- **Material:**
- **OD (mm):**
- **from:** (m) to Size:
- **from:** (m) to Size:

### Open Hole

- **from:** (m) to

### Pump

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 16.0
- **Time (minute):** 240.0
- **Level End (m):** 73.2
- **Drawdown (m):** 39.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 13.7

### Laboratory

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
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<tr>
<td>Iron</td>
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<td>Total Phosphate</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing

- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Field Verified:** No

### Remarks

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07620

**Well Owner:** Huston, Lyle

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 748
**AEP:** 353714
**Licence No.:** Easting: 54,776.53
**Date Started:** 07 Nov 90
**Northing:** 5,932,683.50
**Date Completed:** 09 Nov 90

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 78.9 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 61.9
- **Bottom (m):** 61.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):**
- **to:** 61.9

### Liner:

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 58.8
- **Bottom (m):** 78.0

### Perforated How:

- **from (m):**
- **to:** 78.0

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

### Open Hole:

- **from (m):**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 41.2
- **Drawdown (m):** 16.8
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrite:**

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H

### Remarks:

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

*Water Well Positioned by PFRA in 10TM NAD 27*
**SW 12-053-02 W5M**

**Well Owner:** Schneider, Wolf  
**Drilling Contractor:** Irml Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 762  
**AEP:** 354525  
**Licence No.:**  
**Easting:** 55,400.45  
**Northing:** 5,932,486.00  
**Date Started:** 21 Apr 76  
**Date Completed:** 22 Apr 76

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

**Completed Depth:** 77.7 (m)  
**NPWL (m):** 27.4  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 69.2  
- **OD (mm):** 114.3  
- **Seal Type:** Driven  
- **Thickness (mm):** to 68.9

**Liner:**
- **Type:**
  - OD (mm):
    - Top (m):
    - Perforated How:
      - from (m): to Size:
      - from (m): to Size:
      - from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 13.7  
- **Time (minute):** 540.0  
- **Level End (m):**
- **Rec'd intake (m):**

---

### Laboratory:  
- **pH (pH unit):**  
- **Cond. (µS/cm):**
  - COD: Mercury
  - SAR: Nickel
  - TDS: TKN: Selenium
  - Sodium: Nitrate: Strontium
  - Potassium: Nitrite: Molybdenum
  - Calcium: TN: Vanadium
  - Magnesium: TC: Zinc
  - Carbonate: DIC: Hydroxide
  - Bicarbonate: Arsenic: Total Hardness
  - Aluminum: Barium: Manganese
  - Sulphate: Beryllium: Phosphate
  - Chloride: Cadmium: Ion Balance
  - Fluoride: Chromium: Amm. Nitrogen
  - Iron: Cobalt: Total Phosphate
  - TOC: Copper: Total Alkalinity
  - silica: Lead: Nitrate&Nitrite N

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number: 07622

Well Owner: Hengst, Karl F
Drilling Contractor: Unknown Driller

Well Use: Domestic
Type of Work: Chemistry
Elevation (AMSL) (m): 758
Licence No.: 758
Date Started: 55.159.85
Date Completed: 5,932,338.50

Completed Depth 96.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminium: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**Well Number: 07623**

**Well Owner:** Bazinet, Ray

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 725  
**AEP:** 397107  
**Licence No.:** Easting: 54292.29  
**Date Started:** 25 Jul 94  
**Northing:** 5934865.00  
**Date Completed:** 02 Aug 94

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<th>Depth Elevation</th>
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<td><strong>(BGL) (AMSL) (m) (m)</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Cable Tool</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td></td>
<td>9.1 715.6 Clay Sandy</td>
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<tr>
<td><strong>Completed Depth:</strong> 50.3 (m)</td>
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<td><strong>NPWL (m):</strong> 13.1</td>
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<td>37.5 687.3 Till &amp; Clay</td>
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<td><strong>Verified NPWL (m):</strong></td>
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<td>43.9 680.9 Sandstone</td>
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<td><strong>Seal Type:</strong> Driven</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>to:</strong> 44.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Liner:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Type:</strong></td>
<td></td>
<td></td>
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<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<td></td>
</tr>
<tr>
<td><strong>Top (m):</strong> 42.7</td>
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<td></td>
</tr>
<tr>
<td><strong>Bottom (m):</strong> 50.3</td>
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<tr>
<td><strong>Perforated How:</strong> Torch</td>
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<td></td>
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<tr>
<td><strong>from (m):</strong> 45.7</td>
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<td><strong>to:</strong> 48.8</td>
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<td><strong>Size:</strong></td>
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<td></td>
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<tr>
<td><strong>from (m):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>to:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Screen:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Material:</strong></td>
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<td></td>
</tr>
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<td><strong>OD (mm):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>to:</strong></td>
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<td><strong>Size:</strong></td>
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</tr>
<tr>
<td><strong>from (m):</strong></td>
<td></td>
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<td><strong>to:</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Open Hole:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>to:</strong></td>
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<td></td>
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<tr>
<td><strong>Pump:</strong> Sub</td>
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<tr>
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<td><strong>Intake (m):</strong></td>
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<td><strong>Rate (lpm):</strong></td>
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<td><strong>Time (minute):</strong> 180.0</td>
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<td><strong>Level End (m):</strong> 22.9</td>
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<td><strong>Drawdown (m):</strong> 9.8</td>
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<tr>
<td><strong>Rec'd intake (m):</strong> 42.7</td>
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</tr>
<tr>
<td><strong>Rec'd Rate (lpm):</strong> 45.6</td>
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**Laboratory:**

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<td>DIC</td>
<td>Hydroxide</td>
<td>Carbonate</td>
</tr>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.4 m
- **NPWL (m):** 1.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 45.7
- **Bottom (m):** 45.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 45.7

**Liner:**

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 42.7
- **Bottom (m):** 58.5
- **Perforated How:** Saw
- **from (m):** to 58.5
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 12.2
- **Drawdown (m):** 11.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

-Water Well Positioned by PFRA in 10TM NAD 27

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 59.7 (m)
- **NPWL (m):** verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm), Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27
**NE 14-053-02 W5M**

**Well Owner:** Branting  
**Drilling Contractor:** Unknown Driller

**Well Number:** 07626  
**Elevation (AMSL) (m):** 730  
**AEP:** 368932  
**Licence No.:** Easting: 53,980.83  
**Date Started:** Northing: 5,934.594.50  
**Date Completed:**

---

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

**Completed Depth:** 91.4 m  
**NPWL (m):** Verified NPWL (m): Abandonment:

**Casing:**
- **Type:**  
- **Bottom (m):**  
- **Thickness (mm):**

<table>
<thead>
<tr>
<th>OD (mm)</th>
<th>Thickness (mm)</th>
<th>from (m)</th>
<th>to</th>
</tr>
</thead>
</table>

**Liner:**
- **Type:**  
- **Top (m):**  
- **Bottom (m):**

**Perforated How:**
- **from (m):**  
- **Size:**  
- **to:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **Size:**  
- **to:**

**Open Hole:**

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
</thead>
</table>

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):**  
- **Time (minute):**
- **Level End (m):**  
- **Drawdown (m):**
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Beryllium:** Sulphate  
- **Phosphate:** Chloride  
- **Cadmium:** Fluoride  
- **Chromium:** Iron  
- **Cobalt:** TOC  
- **Copper:** silica  
- **Lead:**  

<table>
<thead>
<tr>
<th>Material</th>
<th>from (m):</th>
<th>to</th>
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</thead>
</table>

**Open Hole:**

**Pump:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**  
- **Drawdown (m):**
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1,000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*

*printed on 2/20/98*
### General:

**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 70.1 m  
**NPWL (m):** 9.4  
**Verified NPWL (m):**  
**Abandonment:**  
**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 51.8  
- **Bottom (m):** 51.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
**Seal Type:** Shale Trap & Bentonite  
- **from (m):** 50.3  
- **to:** 51.8  
**Liner:**  
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 44.2  
- **Bottom (m):** 67.1  
**Perforated How:** Machine  
- **from (m):** 51.8  
- **to:** 70.1  
- **Size:**  
**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
**Open Hole:**  
- **from (m):** to  
**Pump:**  
- **Model:**  
- **Intake (m):** 42.7  
**Testing:**  
- **Rate (lpm):** 27.4  
- **Time (minute):** 120.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 33.2  
- **Rec'd intake (m):** 48.8  
- **Rec'd Rate (lpm):** 22.8  

### Laboratory:

| pH (pH unit) | COD | Mercury |  
| Cond. (µS/cm) | SAR | Nickel |  
| TDS | TKN | Selenium |  
| Sodium | Nitrate | Strontium |  
| Potassium | Nitrite | Molybdenum |  
| Calcium | TN | Vanadium |  
| Magnesium | TC | Zinc |  
| Carbonate | DIC | Hydroxide |  
| Bicarbonate | Arsenic | Total Hardness |  
| Aluminium | Barium | Manganese |  
| Sulphate | Beryllium | Phosphate |  
| Chloride | Cadmium | Ion Balance |  
| Fluoride | Chromium | Amm. Nitrogen |  
| Iron | Cobalt | Total Phosphate |  
| TOC | Copper | Total Alkalinity |  
| Silica | Lead | Nitrate & Nitrite N |  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.
### NE 14-053-02 W5M

**Well Owner:** Piche, R.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 722  
**AEP:** 373941

**Date Started:** 08 Nov 93  
**Date Completed:** 10 Nov 93

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<tr>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>(m)</td>
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<td>0.0</td>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)  
**NPWL (m):** 8.2  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 42.7  
**Bottom (m):** 42.7
- **OD (mm):** 152.4  
**Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 39.9  
  - to 41.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3  
**Thickness (mm):** 0.1
- **Top (m):** 39.6  
**Bottom (m):** 61.0

**Perforated How:** Saw
- from (m): 45.7  
**to 57.9**  
**Size:**
- from (m):  to  
**Size:**
- from (m):  to  
**Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m):  to  
- **Thickness:**
  - from (m):  to  
- **Size:**

**Open Hole:**
- **from (m):**  to  

**Pump:** Sub
- **Model:** Gould 7g0542z  
**Intake (m):** 36.6

**Testing:**
- **Rate (lpm):** 91.2  
**Time (minute):** 120.0
- **Level End (m):** 36.6  
**Drawdown (m):** 28.4
- **Rec’d intake (m):** 42.1  
**Rec’d Rate (lpm):** 45.6

### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>mg/l (ppm)</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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</tr>
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<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Fluoride</td>
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</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

### Electric Log:
- Transmissivity: m²/day
- Gamma Log: No
- Storativity: 

### Aquifer Test:
- Project: 
- Database: 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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**Printed on:** 2/20/98
**NE 14-053-02 W5M**

<table>
<thead>
<tr>
<th>Well Owner: Scontrino, Joe</th>
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<tbody>
<tr>
<td>Drilling Contractor: McGinn, Gerald Drilling Ltd.</td>
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**Well Number: 07629**

**Elevation (AMSL) (m):** 726

**AEP: 350631**

**Date Started:** 17 Apr 90

**Date Completed:** 17 Apr 90

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<tr>
<td>5,935,029.00</td>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 m
- **NPWL (m):** 10.7
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 32.9
- **Bottom (m):** 32.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to**
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 32.9
- **to** 34.4
- **Size:** 0.10
- **Thickness (mm):**
- **OD (mm):**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

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<tbody>
<tr>
<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
### Well Information

**NE 14-053-02 W5M**

**Well Owner:** Spreen, Brian/Carla  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 725  
**AEP:** 361713  
**Date Started:**  
**Date Completed:**  
**Licence No.:** Easting: 54,292.29  
**Northing:** 5,934,865.00

### General

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method</td>
<td>Unknown</td>
</tr>
<tr>
<td>Well Use</td>
<td>Domestic</td>
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</table>

**Completed Depth:** 53.3 (m)  
**NPWL (m):** Verified NPWL (m): 
**Abandonment:**

### Casing

<table>
<thead>
<tr>
<th>Type</th>
<th>Bottom (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (m):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>OD (mm):</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
</tbody>
</table>

### Liner

<table>
<thead>
<tr>
<th>Type</th>
<th>Bottom (m):</th>
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<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
</tbody>
</table>

### Screen

<table>
<thead>
<tr>
<th>Material</th>
<th>Size:</th>
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</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>from (m): to</td>
</tr>
<tr>
<td>from (m): to</td>
<td></td>
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### Open Hole

<table>
<thead>
<tr>
<th>Type</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m): to</td>
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### Pump

<table>
<thead>
<tr>
<th>Model</th>
<th>Intake (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
</tr>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

### Testing

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Transmissivity:** m³/day  
**Storativity:**

### Laboratory

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
**NE 15-053-02 W5M**

**Well Owner:** Washylk, Irene  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.  
**Well Number:** 07631  
**Elevation (AMSL) (m):** 717  
**AEP:** 399737  
**License No.:**  
**Date Started:** 25 Apr 94  
**Easting:** 52,678.18  
**Date Completed:** 25 Apr 94  
**Northing:** 5,934,806.50

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>Clay &amp; Rocks Sandy Yellow</td>
<td>2.4</td>
<td>714.6</td>
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<tr>
<td>Clay Hard Yellow</td>
<td>5.5</td>
<td>711.5</td>
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<tr>
<td>Clay Blue</td>
<td>14.6</td>
<td>702.4</td>
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<tr>
<td>Sand &amp; Gravel Pea</td>
<td>18.3</td>
<td>698.7</td>
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<tr>
<td>Clay Blue</td>
<td>19.8</td>
<td>697.2</td>
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<tr>
<td>Clay Sandy Yellow</td>
<td>25.6</td>
<td>691.4</td>
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<tr>
<td>Shale Green</td>
<td>29.6</td>
<td>687.4</td>
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<tr>
<td>Shale Sandy Gray</td>
<td>32.9</td>
<td>684.1</td>
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<tr>
<td>Shale Green</td>
<td>36.3</td>
<td>680.7</td>
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<tr>
<td>Shale Sandy Gray</td>
<td>42.4</td>
<td>674.6</td>
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**General:**  
**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 42.4 (m)  
**NPWL (m):** 0  
**Verified NPWL (m):**  
**Abandonment:**  
**Casing:**  
**Type:** Plastic  
**Depth (m):** 27.4  
**Bottom (m):** 27.4  
**OD (mm):** 152.4  
**Thickness (mm):** 0.1  
**Seal Type:** Formation Seal  
**from (m):** to 27.4  

**Liner:**  
**Type:**  
**OD (mm):** 127.0  
**Thickness (mm):** 0.1  
**Top (m):** 25.9  
**Bottom (m):** 41.5  

**Perforated How:** Saw  
**from (m):** to 41.5  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  

**Screen:**  
**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**  

**Open Hole:**  
**from (m):** to  

**Pump:**  
**Model:** Intake (m):  

**Testing:**  
**Rate (lpm):** 95.8  
**Time (minute):** 120.0  
**Level End (m):** 1.5  
**Drawdown (m):** 1.5  
**Rec’d intake (m):** 12.2  
**Rec’d Rate (lpm):** 95.8  

**Laboratory:**  
**pH (pH unit):**  
**COD:** Mercury  
**Cond. (µS/cm):**  
**SAR:** Nickel  
**TDS:** TKN Selenium  
**Sodium:** Nitrate Strontium  
**Potassium:** Nitrite Molybdenum  
**Calcium:** TN Vanadium  
**Magnesium:** TC Zinc  
**Carbonate:** DIC Hydroxide  
**Bicarbonate:** Arsenic Total Hardness  
**Aluminum:** Barium Manganese  
**Sulphate:** Beryllium Phosphate  
**Chloride:** Cadmium Ion Balance  
**Fluoride:** Chromium Amm. Nitrogen  
**Iron:** Cobalt Total Phosphate  
**TOC:** Copper Total Alkalinity  
**Silica:** Lead Nitrate&Nitrite N  

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Well Field Verified: No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 15-053-02 W5M**

**Well Owner:** Hrasko, John  
**Drilling Contractor:** McGinnis Robert

<table>
<thead>
<tr>
<th>Well Number</th>
<th>07632</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m):</td>
<td>734</td>
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<tr>
<td>AEP:</td>
<td>358188</td>
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<tr>
<td>Licence No.:</td>
<td>Easting: 51,568.85</td>
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<td>Date Started:</td>
<td>Northing: 5,934,984.50</td>
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<tr>
<td>Date Completed:</td>
<td>01 Jun 72</td>
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### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>45.1 (m)</th>
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<tbody>
<tr>
<td>NPWL (m):</td>
<td>6.7</td>
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**Abandonment:**

<table>
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<tr>
<th>Type: Galvanized Steel</th>
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<tbody>
<tr>
<td>Depth (m): 36.6 Bottom (m): 36.6</td>
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<tr>
<td>OD (mm): 117.4 Thickness (mm):</td>
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**Seal Type:** Driven

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### Casing:

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<td>Thickness (mm):</td>
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<td>Top (m):</td>
<td>Bottom (m):</td>
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### Liner:

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<tr>
<th>Type:</th>
<th>Thickness (mm):</th>
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<tr>
<td>OD (mm):</td>
<td>Bottom (m):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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### Screen:

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<tr>
<th>Material:</th>
<th>Thickness (mm):</th>
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</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>Bottom (m):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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### Open Hole:

<table>
<thead>
<tr>
<th>Type:</th>
<th>Thickness (mm):</th>
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<tbody>
<tr>
<td>OD (mm):</td>
<td>Bottom (m):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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### Pump:

<table>
<thead>
<tr>
<th>Model: Jacuzzi</th>
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<tbody>
<tr>
<td>Intake (m):</td>
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### Testing:

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>73.0</th>
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<td>Time (minute):</td>
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<td>Level End (m): 6.7</td>
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<tr>
<td>Drawdown (m): 25.0</td>
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<tr>
<td>Rec'd intake (m): 27.4</td>
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### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
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<tr>
<td>Cond. (µS/cm):</td>
<td>Mercury</td>
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<tr>
<td>TDS</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<tr>
<td>Aluminum</td>
<td>Total Hardness</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Phosphate</td>
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<td>Fluoride</td>
<td>Cadmium</td>
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<tr>
<td>Iron</td>
<td>Chromium</td>
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<td>TOC</td>
<td>Total Alkalinity</td>
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<tr>
<td>Si</td>
<td>Lead</td>
</tr>
<tr>
<td>DIC</td>
<td>Nitrate &amp; Nitrite N</td>
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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Electric Log:</th>
<th>No</th>
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<tbody>
<tr>
<td>Transmissivity:</td>
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<tr>
<td>Gamma Log:</td>
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<td>Storativity:</td>
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<td>Aquifer Test:</td>
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<td>Project:</td>
<td>Database: 1.000H</td>
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<td>AEP Data:</td>
<td>Yes</td>
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<tr>
<td>Well Field Verified:</td>
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</table>
**NW 15-053-02 W5M**

Well Owner: Hrasko, John
Drilling Contractor: Summers, David Drilling

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Stock
- Completed Depth: 45.7 (m)
- NPWL (m): 10.4
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 36.6
- Bottom (m): 36.6
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Bentonite Chips/Table
- from (m): to 36.6

**Liner:**
- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 33.5
- Bottom (m): 45.7
- Perforated How: Saw
- from (m): 39.6 to 45.7
- Size:

**Screen:**
- Material:
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to
- Pump: Sub
- Model: Intake (m): 18.3
- Testing:
  - Rate (lpm): 68.4
  - Time (minute): 120.0
  - Level End (m): 12.8
  - Drawdown (m): 2.4
  - Rec'd Rate (lpm): 18.3
  - Rec'd intake (m): 45.6

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silicon:
  - Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

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**Depth Elevation**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>3.1</td>
<td>731.0</td>
<td>Clay &amp; Rocks</td>
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<tr>
<td>7.9</td>
<td>726.2</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>8.2</td>
<td>725.9</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>32.0</td>
<td>702.1</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>38.4</td>
<td>695.7</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>40.8</td>
<td>693.2</td>
<td>Shale Green</td>
</tr>
<tr>
<td>41.2</td>
<td>692.9</td>
<td>Coal</td>
</tr>
<tr>
<td>45.7</td>
<td>688.4</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>

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**Well Number 07633**

Elevation (AMSL) (m): 734
AEP: 443276
Easting: 51,568.85
Northing: 5,934,971.50
Date Started: 27 May 95
Date Completed: 28 May 95

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**NE 16-053-02 W5M**

**Well Owner:** Western Jackpot C/O Mckay, R  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>8.8</td>
<td>728.7</td>
<td>Clay &amp; Rocks Yellow</td>
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<td>9.1</td>
<td>728.4</td>
<td>Sand</td>
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<td>33.5</td>
<td>704.0</td>
<td>Clay Blue</td>
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<td>37.2</td>
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<td>38.7</td>
<td>698.9</td>
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<td>42.1</td>
<td>695.5</td>
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<td>46.3</td>
<td>691.2</td>
<td>Shale Green</td>
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<tr>
<td>47.9</td>
<td>689.7</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>50.3</td>
<td>687.3</td>
<td>Sandstone &amp; Rocks</td>
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<tr>
<td>54.9</td>
<td>682.7</td>
<td>Shale Green</td>
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<tr>
<td>59.1</td>
<td>678.4</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>59.4</td>
<td>678.1</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 59.4 (m)  
- **NPWL (m):** 13.7  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth:** 37.8  
  - **Bottom:** 37.8  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1

**Casing:**
- **Seal Type:** Formation Seal  
- **from (m):** to 37.8

**Liner:**
- **Type:** Plastic  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 34.1  
- **Bottom (m):** 58.5

**Perforated How:** Saw  
- **from (m):** to 58.5  
- **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size

**Screen:**
- **Material:** Plastic  
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
- **Rate (lpm):** 63.9  
- **Time (minute):** 420.0  
- **Level End (m):** 21.3  
- **Drawdown (m):** 7.6  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 738  
**AEP:** 366877  
**Licence No.:** Easting: 51,167.69  
**Date Started:** 23 Oct 92  
**Northing:** 5,934,930.00  
**Date Completed:** 26 Oct 92  
**Well Number:** 07634  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Testing:**
- **Level (m):** 21.3  
- **Drawdown (m):** 7.6  
- **Rec'd Rate (lpm):** Rec'd intake (m):

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

Printed on 2/20/98
**NW 17-053-02 W5M**

- **Well Owner:** Caissie, Vince
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m): 750**
- **AEP:** 362768
- **Date Started:** 02 Dec 91
- **Date Completed:** 03 Dec 91
- **Licence No.:** Easting: 48,647.66 Northing: 5,834,374.50

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

- **Completed Depth:** 46.6 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 32.6 Bottom (m): 32.6
  - **OD (mm):** 141.2 Thickness (mm): 0.1
- **Seal Type:** Formation Seal
  - from (m): 44.8

**Liner:**
- **Type:**
- **OD (mm):** 127.0 Thickness (mm): 0.1
- **Top (m):** 29.6 Bottom (m): 44.8
- **Perforated How:** Unknown
  - from (m): 29.6 to 44.8 Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 24.4
- **Drawdown (m):** 1.5
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- ** Sulphate:** Beryllium Phosphorus
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>6.1</td>
<td>744.2</td>
<td>Clay &amp; Rocks Yellow</td>
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<tr>
<td>12.2</td>
<td>738.1</td>
<td>Clay &amp; Sand Yellow</td>
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<td>25.9</td>
<td>724.4</td>
<td>Sand &amp; Gravel</td>
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<td>31.4</td>
<td>718.9</td>
<td>Clay Blue</td>
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<td>32.9</td>
<td>717.4</td>
<td>Shale Sandy Gray</td>
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<td>34.1</td>
<td>716.2</td>
<td>Shale Green</td>
</tr>
<tr>
<td>41.2</td>
<td>709.2</td>
<td>Shale Sandy Gray</td>
</tr>
<tr>
<td>46.6</td>
<td>703.7</td>
<td>Shale Green</td>
</tr>
</tbody>
</table>

**Electric Log: No**
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data: Yes**
- **Well Field Verified: No**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 27.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 44.2
- **Bottom (m):** 44.2
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap
- **from (m):** 44.2 to

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 44.2
- **Bottom (m):** 63.1
- **Perforated How:** Machine
- **from (m):** 44.2 to 63.1
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 3.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **NITRI:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Zinc:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Beryllium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 07636**

**Well Owner:** Casey, Mike

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 750

**AEP:** 351887

**Licence No.:**

**Date Started:** 25 Jul 90

**Eastings:** 48,647.66

**Northings:** 5,934,374.50

**Date Completed:** 26 Jul 90

---

**Depth**

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(BGL) (m)</th>
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<tbody>
<tr>
<td>Clay Yellow</td>
<td>6.7</td>
<td>743.6</td>
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<tr>
<td>Clay Blue</td>
<td>13.1</td>
<td>737.2</td>
</tr>
<tr>
<td>Gravel</td>
<td>16.1</td>
<td>734.2</td>
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<tr>
<td>Clay Yellow</td>
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<td>36.9</td>
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<td>Shale Sandy Gray</td>
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<tr>
<td>Shale Sandy Gray</td>
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<td>Shale Sandy Gray</td>
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<td>686.6</td>
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<tr>
<td>Shale Sandy Gray</td>
<td>64.0</td>
<td>686.3</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**
NW 17-053-02 W5M

Well Owner: Inex Trade Services
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 750
AEP: 361096
Licence No.: 48,647.66
Date Started: 20 Sep 91
Northing: 5,834,574.50
Date Completed: 21 Sep 91

Well Number: 07637

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 42.7 (m)
NPWL (m): 23.8 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 35.4 Bottom (m): 35.4
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Welded
from (m): to 35.4

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 34.4 Bottom (m): 42.7
Perforated How: Other
from (m): to 42.7 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm): from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 22.8 Time (minute): 240.0
Level End (m): 33.5 Drawdown (m): 9.8
Rec'd intake (m): Rec'd Rate (lpm): 22.8

Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
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<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<tr>
<td>Aluminium</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 17-053-02 W5M**

**Well Number:** 07638

**Well Owner:** Inex Trade Services

**Drilling Contractor:** D&D Water Well Drilling & Services

Elevation (AMSL) (m): 750

AEP: 361099

Licence No.: Easting: 48,647.66

Date Started: 15 Oct 91

Date Completed: 15 Oct 91

**General:**

| Type of Work: | New Well |
| Well Use: | Domestic |
| Completed Depth (m): | 45.7 |
| NPWL (m): | 25.0 |
| Abandonment: | |

**Casing:**

| Type: | Plastic |
| Depth (m): | 37.8 |
| Bottom (m): | 37.8 |
| OD (mm): | 152.4 |
| Thickness (mm): | 0.1 |
| Seal Type: | Shale Trap & Welded |
| from (m): | to 37.8 |

**Liner:**

| Type: | |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Top (m): | 36.9 |
| Bottom (m): | 45.7 |

**Perforated How:**

| from (m): | to 45.7 |
| from (m): | to |
| from (m): | to |

**Screen:**

| Material: | |
| OD (mm): | |
| from (m): | to |
| from (m): | to |

**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | |
| Intake (m): | |

**Testing:**

| Rate (lpm): | 31.9 |
| Time (minute): | 180.0 |
| Level End (m): | 33.5 |
| Drawdown (m): | 8.5 |
| Rec’d Rate (lpm): | |
| Rec’d intake (m): | |

**Laboratory:**

| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS | TKN |
| Sodium | Nitrate |
| Potassium | Nitrite |
| Calcium | TN |
| Magnesium | TC |
| Carbonate | DIC |
| Bicarbonate | Arsenic |
| Aluminum | Barium |
| Sulphate | Beryllium |
| Chloride | Cadmium |
| Fluoride | Chromium |
| Iron | Cobalt |
| TOC | Copper |
| Silica | Lead |
| | |
| | |
| | |
| | |

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NW 17-053-02 W5M

Well Number: 07639

Well Owner: Inex Trade Services
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 750
AEP: 404687
Licence No.: 15 Oct 94
Date Started: 15 Oct 94
Nortihing: 5,834,374.50
Date Completed: 17 Oct 94

General:
Type of Work: New Well
Well Use: Domestic
Completed Depth: 46.9 (m)
NPWL (m): 7.3
Abandonment:

Casing:
Type: Plastic
Depth (m): 37.2
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Welded
from (m): to 37.2

Liner:
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 35.7

Perforated How: Saw
from (m): to 46.3
Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 46.6

Testing:
Rate (lpm): 104.9
Time (minute): 120.0
Level End (m): 38.1
Drawdown (m): 30.8
Rec'd intake (m): 27.4
Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Flouride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Chemical Constituents are in mg/l (ppm). Except as noted.

Project: Database: 1,000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 m
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 34.1
- **Bottom (m):** 34.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Ring
- **from (m):** to 34.1

**Liner:**
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 32.9
- **Bottom (m):** 48.8

**Perforated How:** Other
- **from (m):** 36.6 to 45.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 9.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description (m) (m)**

<table>
<thead>
<tr>
<th>Clay Yellow</th>
<th>746.7</th>
<th>3.7</th>
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<tbody>
<tr>
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<tr>
<td>Clay Silty Blue</td>
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<td>Sand</td>
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<td>Shale Green</td>
<td>701.5</td>
<td>48.8</td>
</tr>
</tbody>
</table>

**Physical Test:**
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
NW 17-053-02 W5M

Well Owner: Inex Trade Services
Drilling Contractor: D&D Water Well Drilling & Services

Well Number: 07641
Elevation (AMSL) (m): 750
AEP: 366257
Licence No.: Easting: 48,647.66
Date Started: 14 Jul 92
Northing: 5,834,374.50
Date Completed: 15 Jul 92

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 49.4 (m)
- NPWL (m): 24.1
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 37.8
- Bottom (m): 37.8
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): to 37.8

**Liners:**
- Type:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 36.6
- Bottom (m): 49.4
- Perforated How: Saw
- from (m): to 48.8
- Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): 49.4

**Testing:**
- Rate (lpm): 45.6
- Time (minute): 180.0
- Level End (m): 30.5
- Drawdown (m): 6.4
- Rec’d intake (m): 33.5
- Rec’d Rate (lpm): 36.5

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Molybdenum
- TC
- DIC
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Selenium
- Strontium
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate & Nitrite N
- Chloride
- Sodium
- Calcium
- Bicarbonate
- Carbonate
- Nitrate
- Copper
- Total Alkalinity
- Calcium
- Manganese
- Lead
- Nitrate & Nitrite
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:**
- No
- Transmissivity: m³/day

**Gamma Log:**
- No
- Storativity:

**Aquifer Test:**
- No

**Project:**
- Database: 1.000H

**AEP Data:**
- Yes
- Well Field Verified: No

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 52.7 m
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 34.1
- **Bottom (m):** 34.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Welded
- **from (m):** 34.1

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 33.2
- **Bottom (m):** 52.7

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 240.0
- **Level End (m):** 30.5
- **Drawdown (m):** 7.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **Barium:** Vanadium
- **Beryllium:** Zinc
- **Bicarbonate:** Hydroxide
- **Carbonate:** Total Hardness
- **Aluminium:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 17-053-02 W5M**

**Well Owner:** Inex Trade Services  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 750  
**AEP:** 404688  
**Licence No.:** Easting: 48,647.66  
**Date Started: 26 Oct 94**  
**Northing:** 5,834,374.50  
**Date Completed: 27 Oct 94**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 52.7 (m)  
  - NPWL (m): 26.8  
  - Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
  - **Depth (m):** 39.0  
  - **Bottom (m):** 39.0  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite  
  - from (m): to 39.0

### Liner:
- **Type:**
  - OD (mm): 114.3  
  - Thickness (mm): 0.1  
- **Top (m):** 37.5  
  - Bottom (m): 52.7

### Perforated How:
- **Saw**  
  - from (m): 41.2 to 51.8  
  - Size:

### Screen:
- **Material:**
  - OD (mm):
    - from (m): to  
    - from (m): to  
- **Top (m):**  
  - Bottom (m):  

### Open Hole:
- from (m): to  

### Pump:
- **Model:**  
  - Intake (m): 52.7

### Testing:
- **Rate (lpm):** 79.8  
- **Time (minute):** 120.0

### Laboratory:

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Transmissivity:** m²/day  
**Storativity:**

**Electric Log:** No  
**Gamma Log:** No  
**Aquifer Test:** No  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
**NW 17-053-02 W5M**

**Well Number: 07644**

**Well Owner:** Inex Trade Services  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

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<td>to 35.7</td>
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<td>to</td>
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**Open Hole:**

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**Pump:**

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**Laboratory:**

- pH (pH unit): COD  
- Cond. (µS/cm): SAR  
- TDS: TKN  
- Sodium: Nitrate  
- Potassium: Nitrite  
- Calcium: TN  
- Magnesium: TC  
- Carbonate: DIC  
- Bicarbonate: Arsenic  
- Aluminium: Barium  
- Sulphate: Beryllium  
- Chloride: Cadmium  
- Fluoride: Chromium  
- Iron: Cobalt  
- TOC: Copper  
- Silica: Lead  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

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**Printed on 2/20/98**
**NW 17-053-02 W5M**

**Well Owner:** Inex Trade Services  
Drilling Contractor: D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 750  
**AEP:** 353012  
**Date Started:** 22 Oct 90  
**Easting:** 48,647.66  
**Date Completed:** 22 Oct 90  
**Nothing:** 5,834,574.50

---

**General:**

- **Type of Work:** New Well  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 25.9  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**

- **Type:** Plastic  
- **Depth (m):** 36.3  
- **Bottom (m):** 36.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Welded Ring  
- **Length (m):** to 36.3

**Liner:**

- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 35.0  
- **Bottom (m):** 54.9  
- **Perforated How:** Other  
- **Size:** from (m): 38.1 to 51.8  
- **Size:** from (m):  
- **Size:** from (m):  

**Screen:**

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  

**Open Hole:**

- **from (m):** to  

**Pump:**

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 54.7  
- **Time (minute):** 120.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 4.6  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:**  
- **TKN:** Selenium  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Selenium:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **TC:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Iron Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**NW 17-053-02 W5M**

**Well Owner:** Inex Trade Services  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Well Number 07646**

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**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 27.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 37.8  
  **Bottom (m):** 37.8
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):**  to 37.8

**Liner:**

- **Type:**
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 36.6  
  **Bottom (m):** 54.9
- **Perforated How:** Saw
- **from (m):** 45.7  
  **to 53.3**  
  **Size:**
- **from (m):**  
  **Size:**
- **from (m):**  
  **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**  
  **to**
- **from (m):**  
  **Size:**
- **from (m):**  
  **Size:**

**Open Hole:**

- **from (m):**

**Pump:**

- **Model:**
- **Intake (m):** 54.9
- **Testing:**
- **Rate (lpm):** 45.6  
  **Time (minute):** 180.0
- **Level End (m):** 36.6  
  **Drawdown (m):** 9.4
- **Rec’d intake (m):** 42.7  
  **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
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- **Barium:**
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- **Phosphate:**
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- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Transmissivity:** m²/day
**Storativity:**
**Aquifer Test:**
**Database:** 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 55.5 m
- **NPWL (m):** 25.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 36.9
- **Bottom (m):** 36.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Welded
  - from (m): 36.9

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 36.0
- **Bottom (m):** 55.5

### Screen:
- **Material:**
- **OD (mm):** from (m): 48.8 to 54.9
- **Thickness (mm):**
- **from (m):** to 54.9

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 180.0
- **Level End (m):** 33.5
- **Drawdown (m):** 7.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07647

**Elevation (AMSL) (m):** 750

**AEP:** 361098

**Licence No.:**

**Easting:** 48,647.66

**Northing:** 5,834.374.50

**Date Started:** 09 Oct 91

**Date Completed:** 09 Oct 91
**NW 17-053-02 W5M**

Well Owner: *Inex Trade Svc*
Drilling Contractor: *D&D Water Well Drilling & Services*

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<td>OD (mm): <strong>114.3</strong> Thickness (mm): <strong>0.1</strong> Top (m): <strong>29.0</strong> Bottom (m): <strong>41.2</strong></td>
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| Perforated How: *Saw* from (m): **33.5** to **39.6** Size: |
| from (m): to | Size: |
| from (m): to | Size: |

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<td>from (m): to</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 17-053-02 W5M**

**Well Number: 07649**

**Well Owner:** Inex Trade Svc  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.5 m
- **NPWL (m):** 22.6
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite
- **from (m):** to 32.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 41.5

**Perforated How:** Saw
- **from (m):** to 41.5
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):** from (m): to
- **Top (m):** 30.5
- **Bottom (m):** 41.5

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 41.5

**Testing:**
- **Rate (lpm):** 41.1
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

---

**Depth Elevation (BGL) (AMSL) Lithologic Description**

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**Lithologic Description:**
- Clay & Rocks Yellow
- Clay Blue
- Sand & Gravel
- Clay Blue
- Sand & Gravel
- Clay Blue
- Shale Green
- Sandstone
- Shale Gray
- Sandstone
- Shale Green

---

**Laboratory:**

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**Electric Log:** No     **Transmissivity:** m²/day
**Gamma Log:** No     **Storativity:**
**Aquifer Test:** No     **Project:** Database: 1.000H
**AEP Data:** Yes     **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.*
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 50.6 (m)
- **NPWL (m):** 24.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 33.2
- **Bottom (m):** 33.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 2.7 to 33.2

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 31.4
- **Bottom (m):** 50.6
- **Perforated How:** Saw
- **from (m):** 38.7 to 48.2
- **Size:**
- **from (m):**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:

- **from (m):**

### Pump:

- **Model:**
- **Intake (m):** 50.6
- **Rate (lpm):** 273.6
- **Time (minute):** 140.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

### Laboratory:

- **pH (pH unit):**
- **COD:** Mercury
- **Con. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 07651**

**Well Owner:** Inex Trade Svc  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 51.8 (m)  
- **NPWL (m):** 27.4  
- **Verified NPWL (m):**

---

### Casing:
- **Type:** Plastic  
- **Depth (m):** 35.0  
- **Bottom (m):** 35.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 35.0

---

### Liner:
- **Type:**

---

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to
- **from (m):** to
- **from (m):** to

---

### Pump:
- **Model:**
- **Intake (m):** 48.8

### Testing:
- **Rate (lpm):** 77.5  
- **Time (minute):** 120.0  
- **Level End (m):** 40.2  
- **Drawdown (m):** 12.8  
- **Rec’d intake (m):** 36.6  
- **Rec’d Rate (lpm):** 22.8

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### Laboratory:

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### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
NW 17-053-02 W5M

Well Owner: Inex Trade Svc
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 750
AEP: 373948
Licence No.: 48,647.66
Date Started: 09 Oct 93
Norting: 5,834,574.50
Date Completed: 10 Oct 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 52.7 (m)
NPWL (m): 28.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 40.8 Bottom (m): 40.8
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Welded
from (m): 4.6 to 40.8

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 39.6 Bottom (m): 52.7

Perforated How: Saw
from (m): 41.2 to 51.8 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 39.6

Testing:
Rate (lpm): 91.2 Time (minute): 240.0
Level End (m): 31.7 Drawdown (m): 3.4
Rec'd intake (m): 33.5 Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**NW 17-053-02 W5M**

**Well Owner:** Kent, Edward/Shelley

**Found:**

- **Elevation (AMSL) (m):** 750
- **AEP:** 366174
- **L licence No.:**
- **Date Started:**
- **Date Completed:**

**Drilling Contractor:** Unknown Driller

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **Bottom (m):**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:**

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nickel:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Co cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**Well Number:** 07654

**Well Owner:** Osborne, Ray

**Drilling Contractor:** Kap’S Drilling Ltd.

**Elevation (AMSL) (m):** 750  
**AEP:** 365317

**Licence No.:**  
**Easting:** 46,647.66  
**Northing:** 5,834,374.50

**Date Started:** 12 May 92  
**Date Completed:** 13 May 92

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
  - **NPWL (m):** 26.8  
  - **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 51.8  
  - **Bottom (m):** 51.8
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 51.8

### Liner:
- **Type:** Driven
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 51.5
- **Bottom (m):** 61.0

### Perforated Hole:
- **Type:** Saw
  - **from (m):** to 52.1  
  - **Size:**
  - **from (m):** to 59.4
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
  - Intake (m): 42.7

### Testing:
- **Rate (lpm):** 456.1
  - **Time (minute):** 120.0
- **Level End (m):** 42.7  
  - **Drawdown (m):** 15.9
- **Rec’d intake (m):** 42.7  
  - **Rec’d Rate (lpm):** 45.6

### Laboratory:

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<td>Copper</td>
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<td>Nitrato&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 17-053-02 W5M**

**Well Owner:** Osborne, Ray  
**Drilling Contractor:** Kap’s Drilling Ltd.

**Elevation (AMSL) (m):** 750  
**AEP:** 380524  
**License No.:** Easting: 48,647.66  
**Date Started:** 26 Aug 92  
**Northings:** 5,834,747.50  
**Date Completed:** 26 Aug 92

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<th><strong>General:</strong></th>
<th><strong>Lithologic Description</strong></th>
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<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
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<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Clay &amp; Gravel Coarse Grained</strong></td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Clay Blue</strong></td>
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<tr>
<td><strong>Completed Depth:</strong> 61.0 m</td>
<td><strong>Sand Coarse Grained Gray</strong></td>
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<td><strong>NPWL (m):</strong> 26.8</td>
<td><strong>Clay Blue</strong></td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td><strong>Shale</strong></td>
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<tr>
<td><strong>Casing:</strong></td>
<td><strong>Sandstone</strong></td>
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<tr>
<td><strong>Type:</strong> Steel</td>
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<td><strong>Saw</strong></td>
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<th><strong>Screen:</strong></th>
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<td><strong>Material:</strong></td>
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<td><strong>OD (mm):</strong> 88.9</td>
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<tr>
<td><strong>Size:</strong></td>
<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<tr>
<td><strong>Bottom (m):</strong></td>
<td>from (m): to Size:</td>
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<td><strong>Model:</strong></td>
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<td><strong>Intake (m):</strong></td>
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<th><strong>Testing:</strong></th>
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<td><strong>Rate (lpm):</strong> 31.9</td>
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<td><strong>Level End (m):</strong> 36.6</td>
<td><strong>Drawdown (m):</strong> 9.8</td>
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<tr>
<td><strong>Rec’d intake (m):</strong> 36.6</td>
<td><strong>Rec’d Rate (lpm):</strong> 31.9</td>
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<tr>
<th><strong>Laboratory:</strong></th>
<th><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></th>
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<tbody>
<tr>
<td><strong>pH (pH unit):</strong></td>
<td>COD</td>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>Silica:</strong></td>
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<td><strong>Gamma Log:</strong> No</td>
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<td><strong>Aquifer Test:</strong> No</td>
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<td><strong>Laboratory:</strong></td>
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*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 17-053-02 W5M**

**Well Owner:** Saint, Stanley

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 750  
**AEP:** 412704  
**Licence No.:** 48,647.66  
**Date Started:** 22 Nov 95  
**Nortthing:** 5,834,374.50  
**Date Completed:** 29 Nov 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

### Lithologic Description

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<th>Elevation (BGL) (m)</th>
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<td>743.9</td>
<td>Clay &amp; Rocks Yellow</td>
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<td>30.5</td>
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<td>32.9</td>
<td>717.4</td>
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<td>37.8</td>
<td>712.5</td>
<td>Clay &amp; Shale Blue Gray</td>
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<td>38.1</td>
<td>712.2</td>
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<td>40.8</td>
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<td>42.1</td>
<td>708.3</td>
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<td>65.2</td>
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### Casing:
- **Type:** Plastic  
- **Depth (m):** 39.6  
- **Bottom (m):** 39.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

### Liner:
- **Type:** Formation Seal  
- **OD (mm):** 101.6  
- **Thickness (mm):**
  - Top (m): 38.1  
  - Bottom (m): 64.3

### Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:  
    - from (m): to Size:  
    - from (m): to Size:

### Pump:
- **Model:**
- **Intake (m):** 49.7

### Testing:
- **Rate (lpm):** 63.9  
- **Time (minute):** 120.0  
- **Level End (m):** 38.1  
- **Drawdown (m):** 7.6  
- **Rec'd intake (m):** 49.7  
- **Rec'd Rate (lpm):** 31.9

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Electric Log:** No  
- **Gamma Log:** No  
- **Aquifer Test:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NW 17-053-02 W5M**

**Well Owner:** Smith, Jason  
**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 750  
**AEP:** 382570  
**Date Started:** 27 Apr 94  
**Date Completed:** 02 May 94

### Depth and Elevation

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<th>(m)</th>
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<td>744.8</td>
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<td>7.6</td>
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<td>48.8</td>
<td>701.5</td>
<td>Shale Blue Gray</td>
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### General

- **Type of Work:** New Well  
- **Drilling Method:** Cable Tool  
- **Use:** Domestic

### Completion Details

- **Completed Depth:** 48.8 (m)  
- **NPWL (m):** 27.4  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Steel  
- **Depth (m):** 32.0  
- **Bottom (m):** 32.0  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 32.0

### Liner

- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 30.8  
- **Bottom (m):** 48.8  
- **Perforated How:** Torch  
- **from (m):** to 48.8  
- **Size:**

### Screen

- **Material:**
- **OD (mm):** from (m): to  
- **Thickness (mm):** from (m): to  
- **Screen:**
- **from (m):** to  
- **Pump:** Sub

### Testing

- **Model:** Gould 7g05  
- **Intake (m):** 45.7  
- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 3.1  
- **Rec’d Rate (lpm):** 45.6  
- **Rec’d intake (m):**

### Laboratory

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

- Electric Log: No  
- Transmissivity: m²/day  
- Gamma Log: No  
- Storativity:  
- Aquifer Test: No  
- Project: Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No

**Printed on 2/20/98**
NW 17-053-02 W5M

Well Number 07658

Well Owner: Stewart, Dean
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 750
AEP: 369877
Licence No.: Easting: 46,647.66
Date Started: 19 May 93
Northing: 5,834,374.50
Date Completed: 20 May 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic

Completed Depth: 53.0 (m)
NPWL (m): 28.4
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.9
Bottom (m): 36.9
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Welded
from (m): to 36.9

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 35.7
Bottom (m): 53.0

Perforated How: Saw
from (m): 39.6 to 53.0
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
from (m): to
Screen:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 36.6

Testing:
Rate (lpm): 36.5
Time (minute): 240.0
Level End (m): 33.5
Drawdown (m): 5.2
Rec'd intake (m): 36.6
Rec'd Rate (lpm): 31.9

Laboratory:

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<th>Mercury</th>
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</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Casing:
- **Type:** Plastic
- **Depth:** 41.5 m
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2

### Seal Type:
- **Type:** Shale Trap & Bentonite
- **from (m):** to 41.5

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1

### Perforated Hole:
- **from (m):** to 43.3 to 46.3

### Screen:
- **Material:** Plastic
- **OD (mm):**
  - from (m): to 51.5 to 56.4
- **Thickness (mm):**
  - from (m): to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub
- **Intake (m):**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** Drawdown (m): 2.0
- **Rec'd Rate (lpm):** 36.0
- **Rec'd intake (m):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

### Depth Elevation

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<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>7.6</td>
<td>725.5</td>
<td>Clay &amp; Rocks</td>
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<tr>
<td>25.0</td>
<td>708.1</td>
<td>Till Gray</td>
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<tr>
<td>29.6</td>
<td>703.5</td>
<td>Shale Fractured Green</td>
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<tr>
<td>34.1</td>
<td>699.0</td>
<td>Shale Green</td>
</tr>
<tr>
<td>39.0</td>
<td>694.1</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>41.5</td>
<td>691.7</td>
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<td>43.3</td>
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<td>56.4</td>
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</tr>
<tr>
<td>57.9</td>
<td>675.2</td>
<td>Shale Green</td>
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---

### Electric Log
- **Transmissivity:** m²/day

### Gamma Log
- **Storativity:**

### Aquifer Test
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
**SW 17-053-02 W5M**

**Well Owner:** Yellowhead Ostrich Farm  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 m  
- **NPWL (m):** 25.0  
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 38.1  
- **Bottom (m):** 38.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 38.1

**Liner:**
- **Type:**
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 35.7  
- **Bottom (m):** 54.0

**Perforated How:** Saw
- **from (m):** 38.1  
- **to 54.0**  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 32.0

**Testing:**
- **Rate (lpm):** 63.9  
- **Time (minute):** 120.0  
- **Level End (m):** 25.9  
- **Drawdown (m):** 0.9  
- **Rec’d intake (m):** 32.0  
- **Rec’d Rate (lpm):** 45.6

---

**Laboratory:**
- **pH (pH unit):**
- **COND (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07660

**Elevation (AMSL) (m):** 747  
**AEP:** 397109  
**Licence No.:**
**Date Started:** 19 Jan 94  
**Date Completed:** 20 Jan 94  
**Easting:** 48,605.41  
**Northing:** 5,933,970.00

---

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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<td>741.7</td>
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<td>10.4</td>
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<td>732.9</td>
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<td>15.5</td>
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<td>34.8</td>
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<td>37.8</td>
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<td>42.1</td>
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<tr>
<td>45.1</td>
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<tr>
<td>54.9</td>
<td>692.4</td>
<td>Sand &amp; Rocks</td>
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**Electric Log:** No  
**Transmissivity:** m³/day
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H
**AEP Data:** Yes  
**Well Field Verified:** No

---

*printed on 2/20/98*
Well Number: 07661

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 56.1 (m)
- **NPWL (m):** Verified NPWL (m): 47.639.86
  - **Date Started:** 04 Nov 75
  - **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.
  - **Date Completed:** 06 Nov 75

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 44.8
- **Bottom (m):** 44.8
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Packers
- **from (m):** to 44.8

**Liner:**
- **Type:**
  - **OD (mm):** 88.9
  - **Thickness (mm):** 55.2
  - **Perforated How:** Torch
    - **from (m):** 44.8 to 55.2
    - **Size:**
  - **from (m):** to 55.2
    - **Size:**
  - **from (m):** to 55.2
    - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec’d intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

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<th>Depth</th>
<th>Elevation</th>
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<td>(mL)</td>
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<td>6.1</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Printed on 2/20/98
SE 18-053-02 W5M

Well Owner: Willoughby, Jerry
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Well Number 07662

Elevation (AMSL) (m): 746
AEP: 379420
Licence No.: Easting: 47,859.79
Date Started: 14 Jul 95 Northing: 5,934,030.50
Date Completed: 17 Jul 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Stock
Completed Depth 60.7 (m)
NPWL (m): 23.2 Verified NPWL (m):
Abandonment:
Type: Plastic
Depth (m): 51.8 Bottom (m): 51.8
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 51.8

Casing:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 50.3 Bottom (m): 59.7

Perforated How: Saw
from (m): to 51.8 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:

Testing:
Rate (lpm): 34.2 Time (minute): 120.0
Level End (m): 27.4 Drawdown (m): 4.3
Rec’l intake (m): 33.5 Rec’l Rate (lpm): 31.9

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Total Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
SE 18-053-02 W5M

Well Owner: Willoughy, Jerry
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 746
Licence No.: 365803
Date Started: 47,859.79
Date Completed: 01 Jan 72

Well Number 07663

<table>
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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>Shale Sandy Gray</td>
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<tr>
<td>59.7</td>
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<td>Shale Green</td>
</tr>
</tbody>
</table>

Laboratory:
- pH (pH unit): 8.8
- COD: Mercury
- SAR: Nickel
- TDS: Selenium
- Sodium: Strontium
- Potassium: Molybdenum
- Calcium: Vanadium
- Magnesium: Zinc
- Carbonate: Hydroxide
- Bicarbonate: Total Hardness
- Aluminum: Manganese
- Sulphate: Phosphate
- Chloride: Ion Balance
- Fluoride: Amm. Nitrogen
- Iron: Total Phosphate
- TOC: Total Alkalinity
- Silicon: Lead
- TDS: Nitrate/Nitrite

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 51.8 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:
  - **Screen:**
    - **Material:**
    - **OD (mm):** from (m): to Size:
    - **Open Hole:** from (m): to
- **Pump:**
  - **Model:** Intake (m):
  - **Testing:**
    - **Rate (lpm):** Time (minute):
    - **Level End (m):** Drawdown (m):
    - **Rec'd intake (m):** Rec'd Rate (lpm):

**Depth Elevation**
- **BGL (m):** Lithologic Description
  - 0.9 768.3 Till Clayey Brownish Gray
  - 3.1 766.2 Sand & Silt Pebbly Brownish Gr
  - 13.7 755.5 Silt Sandy Gray
  - 17.1 752.2 Sand & Silt Brownish Gr
  - 24.4 744.9 Sand & Coal Silty Brownish Gra
  - 34.1 735.1 Siltstone Glacial Dark Gray
  - 35.4 733.9 Coal
  - 45.1 724.1 Siltstone Gray
  - 48.8 720.5 Sandstone & Coal Very Fine Gra
  - 51.8 717.4 Siltstone Green

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Magnesium:** TC
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Potassium:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.9 (m)
- **NPWL (m):** 45.4
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 60.7
  - **Bottom (m):** 60.7
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.0
  - **Seal Type:**
  - **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 60.4 to 61.9 Size: 0.01
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Intake (m): 57.0
- **Testing:**
  - **Rate (lpm):** 45.6
  - **Time (minute):** 420.0
  - **Level End (m):** 54.9
  - **Drawdown (m):** 9.4
  - **Rec'd intake (m):** 57.0
  - **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07666  
**Elevation (AMSL) (m):** 789  
**AEP:** 373951  
**Licence No.:** Easting: 47,436.59  
**Date Started:** 14 Oct 93  
**Northing:** 5,936,589.00  
**Date Completed:** 18 Oct 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 71.6 (m)  
  - NPWL (m): 61.9  
  - Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth:** 47.9 (m)  
  - Bottom (m): 47.9
- **OD (mm):** 152.4  
  - Thickness (mm): 0.1
- **Seal Type:** Shale Trap & Welded
  - from (m): 4.6 to 47.9

### Liner:
- **Type:**
- **OD (mm):** 114.3  
  - Thickness (mm): 0.1
- **Top (m):** 46.3  
  - Bottom (m): 71.6

### Perforated How:
- **Size:**
  - from (m): 61.0 to 70.1
  - to

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - to

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 67.1

### Testing:
- **Rate (lpm):** 31.9  
  - Time (minute): 240.0
- **Level End (m):** 61.9  
  - Drawdown (m):  
  - Rec'd intake (m): 67.1  
  - Rec'd Rate (lpm): 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- No  
- Transmissivity: m²/day

### Gamma Log:
- No  
- Storativity:

### Aquifer Test:
- No  
- Project: Database: 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

*Printed on 2/20/98*
**NE 19-053-02 W5M**

Well Owner: **Lester, Loren**

Drilling Contractor: **D&D Water Well Drilling & Services**

---

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<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>from (m): to Size:</td>
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<tr>
<td>Rec'd intake (m): 64.0 Rec'd Rate (lpm): 22.8</td>
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---

**Laboratory:**

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

---

*Water Well Positioned by PFRA in 10TM NAD 27*

**printed on 2/20/98**
Well Owner: Witt, E.K.
Drilling Contractor: Double R Drig

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 m
- **NPWL (m):** 42.7
- **Veriﬁed NPWL (m):** Abandonment:

**Casing:**
- **Type:** Plastic
  - **Depth (m):** 54.3
  - **Bottom (m):** 54.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 1.1
  - from (m): 54.3 to 55.5
- **Thickness (mm):** 0.01
- **Top (m):** Bottom (m):

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 300.0
- **Level End (m):** 53.3
- **Rec’d Rate (lpm):** 18.2
- **Rec’d intake (m):** 10.7

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Project:**
- **AEP Data:** Yes
- **Transmissivity:** m²/day
- **Storativity:**
- **Database:** 1.000H
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07668

**Elevation (AMSL) (m):** 779
**AEP:** 351884
**Licence No.:**
**Easting:** 47,820.99
**Northing:** 5,936,177.00
**Date Started:** 28 May 90
**Date Completed:** 29 May 90

**Well Use:** Domestic
**Drilling Method:** Rotary
**Type of Work:** New Well

**Lithologic Description:**
- **BGL (m):** 768.7
- **AMSL (m):** Clay
- **10.7:** Sand Clayey
- **16.8:** Sand Clayey
- **19.8:** Clay Silty
- **24.4:** Sand Fine Grained Gray
- **30.5:** Clay Silty
- **32.0:** Coal Sandy
- **39.6:** Clay Silty
- **47.9:** Coal Sandy
- **48.8:** Sand & Gravel
- **53.3:** Coal Sandy
- **56.7:** Coal Sandy
- **57.9:** Clay Silty

---

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**NW 19-053-02 W5M**

**Well Owner:** Baranieski, Merl  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** 07669

**Elevation (AMSL) (m):** 783  
**AEP:** 418278  
**Licence No.:** Easting: 46,640.33  
**Date Started:** 03 Oct 95  
**Northing:** 5,936,221.00  
**Date Completed:** 03 Nov 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 82.3 (m)  
- **NPWL (m):** 56.4  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 52.1  
- **Bottom (m):** 52.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):** to 52.1

### Liner:
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 50.6  
- **Bottom (m):** 81.4  
- **Perforated How:** Saw  
- **from (m):** to 81.4  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

**Pump:**
- **Model:** SSp4c02tl 02 Sr  
- **Intake (m):** 72.5

### Testing:
- **Rate (lpm):** 11.4  
- **Time (minute):** 120.0  
- **Level End (m):** 64.0  
- **Drawdown (m):** 7.6  
- **Rec'd Rate (lpm):** 7.1  
- **Rec'd intake (m):** 9.1

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Nitrate:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrates:**

### Lithologic Description:
- **Depth (m):**  
- **Elevation (BGL) (m):**  
- **Type:**
  - 2.7 780.8 Clay & Rocks Yellow
  - 18.3 765.2 Clay & Rocks Blue
  - 30.8 752.7 Clay Soft Blue
  - 34.4 749.1 Gravel
  - 34.8 748.7 Clay Sandy Yellow
  - 35.4 748.1 Shale & Coal Brown
  - 37.2 746.3 Shale Sandy Gray
  - 37.8 745.7 Coal
  - 39.9 743.6 Shale Sandy Gray
  - 43.6 739.9 Shale Brittle Gray
  - 51.5 732.0 Shale Sandy Gray
  - 56.4 725.0 Shale Sandy Gray
  - 59.1 724.4 Shale & Coal Brown
  - 63.1 720.4 Shale Sandy Gray
  - 66.4 717.1 Shale Green
  - 71.6 711.9 Shale Sandy Gray
  - 73.8 709.7 Shale Green
  - 74.1 709.4 Shale Sandy Gray
  - 75.3 708.2 Sandstone
  - 77.4 706.1 Shale Green
  - 81.7 701.8 Shale Sandy Gray
  - 82.3 701.2 Shale Green

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Database:** Project: 1.000H
- **AEP Data:** Yes  
**Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on 2/20/98*
**NW 19-053-02 W5M**

**Well Number:** 07670

**Well Owner:** Burpee, Rod

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 776

**AEP:** 351992

**Licence No.:**

**Easting:** 47,009.53

**Northing:** 5,936,167.50

**Date Started:** 10 Aug 90

**Date Completed:** 15 Aug 90

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

#### Completed Depth
- Depth (m): 74.4
- NPWL (m): 53.3
- Abandonment:

#### Casing:
- **Type:** Plastic
- Depth (m): 54.0
- OD (mm): 152.4
- Seal Type: Driven
- Thickness (mm): 0.1

#### Liner:
- **Type:** Driven
- OD (mm): 114.3
- Top (m): 54.0
- Perforated How: Machine
- Thickness (mm): 0.1
- Depth (m): 73.5

#### Screen:
- **Material:**
- OD (mm):
- from (m): to Size:

#### Open Hole:
- from (m): to Size:

#### Pump:
- **Model:**
- Intake (m):

#### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 57.9
- **Drawdown (m):** 4.6
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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### Lithologic Description

- **Elevation (BGL) (m):**
- **Lithologic Description:**
- 9.8 766.0 Clay Yellow
- 29.0 746.8 Clay Blue
- 31.4 744.3 Clay Yellow
- 32.6 743.1 Shale Gray
- 33.5 742.2 Shale Sandy Gray
- 34.1 741.6 Coal
- 36.9 738.8 Shale Sandy Gray
- 39.0 736.7 Shale Gray
- 39.6 736.1 Shale & Coal Brown
- 41.8 734.0 Shale Soft Gray
- 43.6 732.1 Shale & Coal Brown
- 52.4 723.3 Shale Green
- 54.9 720.9 Shale Gray
- 56.4 719.3 Shale Sandy Gray
- 57.9 717.8 Shale Green
- 65.5 710.2 Shale Sandy Gray
- 67.1 708.7 Shale Gray
- 71.3 704.4 Shale Sandy Gray
- 73.8 702.0 Shale Green
- 74.4 701.4 Shale Sandy Gray

### Electric Log
- **Transmissivity:** m²/day

### Gamma Log
- **Storativity:**

### Aquifer Test
- **Project:**

### Objective
- **Database:** 1.00H

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 m
- **NPWL (m):** 42.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 54.3
  - **Bottom (m):** 54.3
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Seal Type:**
  - **from (m):**
  - **to:**

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**

**Screen:**
- **Material:** St
- **OD (mm):** 11.1
- **from (m):** 54.3
- **to:** 55.5
- **Size:** 0.01

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 53.3

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Boron:**
- **Arsenic:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Mmm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 07671**
- **Elevation (AMSL) (m):** 772
- **AEP:** 357921
  - **Easting:** 47,972.51
  - **Northing:** 5,935,878.00
- **Date Started:** 28 May 90
- **Date Completed:** 29 May 90

**Depth**

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**Database:** 1.000H

**Electric Log:** No
**Transmissivity:** m³/day

**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Project:**

**AEP Data:** Yes
**Well Field Verified:** No
**Well Number: 07672**

**Well Owner:** Alta Env #1193e  
**Drilling Contractor:** Alberta Environment  

**Elevation (AMSL) (m):** 761  
**Licence No.:** 401629  
**Date Started:** 04 Jun 74  
**Date Completed:** 05 Jun 74  

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<th>Lithologic Description</th>
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<td>42.7</td>
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**General:**  
**Type of Work:** Test Hole  
**Drilling Method:** Unknown  
**Well Use:** Investigation  
**Completed Depth:** 47.2 (m)  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:**  

**Casing:**  
**Type:**  
**Depth (m):** Bottom (m):  
**OD (mm):** Thickness (mm):  
**Seal Type:** from (m): to  

**Liner:**  
**Type:**  
**OD (mm):** Thickness (mm):  
**Top (m):** Bottom (m):  
**Perforated How:** from (m): to Size:  
**from (m): to Size:**  
**from (m): to Size:**  

**Screen:**  
**Material:**  
**OD (mm):**  
**from (m): to Size:**  
**from (m): to Size:**  

**Open Hole:**  
**from (m): to**  

**Pump:**  
**Model:**  
**Intake (m):**  

**Testing:**  
**Rate (lpm):**  
**Time (minute):**  
**Level End (m):** Drawdown (m):  
**Rec’d intake (m):** Rec’d Rate (lpm):  

**Laboratory:**  
**pH (pH unit):** COD Mercury  
**Cond. (µS/cm):** SAR Nickel  
**TDS:** TKN Selenium  
**Sodium:** Nitrate Strontium  
**Potassium:** Nitrite Molybdenum  
**Calcium:** TN Vanadium  
**Magnesium:** TC Zinc  
**Carbonate:** DIC Hydroxide  
**Bicarbonate:** Arsenic Total Hardness  
**Aluminum:** Barium Manganese  
**Sulphate:** Beryllium Phosphate  
**Chloride:** Cadmium Ion Balance  
**Fluoride:** Chromium Amm. Nitrogen  
**Iron:** Cobalt Total Phosphate  
**TOC:** Copper Total Alkalinity  
**Silica:** Lead Nitrate&Nitrite N  

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27
## General:

- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 51.8 m
- **NPWL (m):** Verified
- **Abandonment:**

## Casing:

- **Type:**
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
- **Seal Type:** from (m): to

## Liner:

- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:

- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

## Open Hole:

- from (m): to

## Pump:

- **Model:**
- **Intake (m):**

## Testing:

- **Rate (lpm):**
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec'd intake (m):
  - Rec'd Rate (lpm):

## Laboratory:

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Nitrate:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Barium:** Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

## Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

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printed on 2/20/98
**NE 20-053-02 W5M**

**Well Owner:** Forss, Harold

**Elevation (AMSL) (m):** 770

**Well Use:** Domestic

**Licence No.:** Easting: 49,568.75

**Date Started:** 27 Apr 92

**Drilling Contractor:** Midwest Water Well Ltd.

**Date Completed:** 27 Apr 92

**Well Number:** 07674

**Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>7.6</td>
<td>761.9</td>
<td>Clay &amp; Rocks Sandy</td>
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<td>25.9</td>
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<td>47.9</td>
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<td>Shale</td>
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<td>56.4</td>
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<td>61.0</td>
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<td>Shale Blue</td>
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**Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 43.6
- **Bottom (m):** 43.6
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 43.6

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Bottom (m):** 61.0
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to 61.0
- **Top (m):** 39.6

**Perforated How:** Hand Drill

- **from (m):** to 61.0
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to 61.0
- **from (m):** to 61.0

**Open Hole:**

- **from (m):**

**Perforation:**

- **Pump:**
- **Model:**
- **Intake (m):** 61.0

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 61.0
- **Drawdown (m):** 18.3
- **Rec’d intake (m):** 54.9
- **Rec’d Rate (lpm):** 45.6

**Laboratory:**

- **pH (pH unit):**
- **COND. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Water Well Positioned by PFRA in 10TM NAD 27**
NW 20-053-02 W5M

Well Owner: Webb, Bruce
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 773
Licence No.: 36069
Date Started: 02 Oct 91
Easting: 48,187.39
Date Completed: 07 Oct 91
Northing: 5,936,200.00

Well Number: 07675

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 64.0 (m)
- NPWL (m): 54.9
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 54.9
- Bottom (m): 54.9
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Driven & Bentonite
- from (m): 53.3
to 54.9

Liner:
- Type: 
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 51.8
- Bottom (m): 64.0
- Perforated How: Saw
- from (m): 57.9
to 64.0
- Size:
- from (m):
to Size:
- from (m):
to Size:

Screen:
- Material:
- OD (mm):
- from (m):
to Size:
- from (m):
to Size:

Open Hole:
- from (m):
to

Pump:
- Model: Gould
- Intake (m): 64.0

Testing:
- Rate (lpm): 45.6
- Time (minute): 120.0
- Level End (m): 64.0
- Drawdown (m): 9.1
- Rec’d intake (m): 56.4
- Rec’d Rate (lpm): 45.6

Laboratory:
- pH (pH unit):
- Cond. (µS/cm): SAR
- TDS TKN
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm) Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

print on 2/20/98
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<td>Alberta Environment</td>
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<td>5,935,465.50</td>
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<tr>
<td>Date Started:</td>
<td>30 May 74</td>
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**General:**
- Type of Work: Test Hole
- Well Use: Investigation
- Completed Depth: 42.7 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- from (m): to

**Liner:**
- Type:
- OD (mm):
- Top (m):
- Thickness (mm):
- Perforated How:
- from (m): to
- Size:
- from (m): to
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to
- from (m): to
- Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminum:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- COD:
- SAR:
- TKN:
- Nitrate:
- Nitrite:
- Beryllium:
- Cadmium:
- Chromium:
- Cobalt:
- Copper:
- Lead:

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

| Electric Log: | Yes |
| Transmissivity: | m²/day |
| Gamma Log: | No |
| Storativity: | |
| Aquifer Test: | No |
| Project: | Database: 1.000H |
| AEP Data: | Yes |
| Well Field Verified: | No |
SE 21-053-02 W5M

Well Owner: Oshvalda, J.
Drilling Contractor: Kap’S Drilling Ltd.

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**General:**

Type of Work: **New Well**
Drilling Method: **Rotary**
Well Use: **Domestic & Stock**
Completed Depth: 121.9 (m)
NPWL (m): 22.9
Abandonment:

**Casing:**
Type: **Plastic**
Depth (m): 73.2
OD (mm): 152.4
Seal Type: **Driven**
from (m): to 73.2

**Liner:**
Type: **Driven**
OD (mm): 114.3
Top (m): 72.8
Bottom (m): 121.9

**Screen:**
Material: **Drilled**
OD (mm): **from (m): to**
from (m): to
from (m): to

**Open Hole:**
from (m): to

**Pump:**
Model: Intake (m): 103.6

**Testing:**
Rate (lpm): 103.6
Time (minute): 180.0
Level End (m): 83.8
Rec’d Rate (lpm): 13.7

**Laboratory:**

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<tr>
<td>Lead</td>
<td></td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 39.9
- **Bottom (m):** 39.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 64.0

**Perforated How:** Machine
- **from (m):** 43.3 to 59.1
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):** from (m): to
- **Thickness (mm):** from (m): to
- **Size:**
- **Top (m):** from (m): to
- **Bottom (m):** from (m): to

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 13.7
- **Time (minute):** 630.0
- **Level End (m):** 48.8
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**
- **DIC:** Hydroxide
- **Carbonate:**
- **Arsenic:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate&Nitrite N
- **Amm. Nitrogen:**
- **Nitrate:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) Lithologic Description**
- **(m)**
- **(m)**
- **Clay & Rocks Blue**
- **Gray**
- **Shale Carbonaceous Gray**
- **Shale & Sandstone Gray**
- **Sandstone Blue**
- **Shale Carbonaceous**
- **Coal**
- **Shale Gray**

**Well Number 07680**

**Well Owner:** Wings Const
**Elevation (AMSL) (m):** 719
**AEP:** 369757

**Drilling Contractor:** Seis-Test
**Licence No.:** Easting: 54,293.12
**Date Started:** No

**Date Completed:** 30 Jul 78
**No**
**No**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

**Environment:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 20/98
**NE 23-053-02 W5M**

<table>
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<tr>
<th>General:</th>
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<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
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<td>Drilling Method: <strong>Rotary</strong></td>
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<tr>
<td>23.8 695.2 Clay &amp; Rocks Blue</td>
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<td>48.2 670.8 Shale Gray</td>
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<tr>
<td>48.5 670.5 Coal</td>
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<tr>
<td>60.0 659.0 Sand &amp; Shale Carbonaceous Gray</td>
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<tr>
<td>60.4 658.7 Coal</td>
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<td>62.5 656.5 Shale Gray</td>
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<td>65.5 653.5 Shale &amp; Sandstone Gray</td>
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<td>67.1 652.0 Shale Gray</td>
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<td>Silica</td>
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<td>Project: <strong>Database: 1.000H</strong></td>
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<td>AEP Data: <strong>Yes</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 23-053-02 W5M**

**Well Owner:** Wings Const  
**Drilling Contractor:** Seis-Test

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<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Elevation (AMSL) (m):</strong></td>
<td><strong>(m)</strong></td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Licence No.:</strong></td>
<td>Clay Brown</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Eastings:</strong></td>
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<td><strong>Completed Depth:</strong> 82.3 (m)</td>
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<td>692.5 Clay Blue</td>
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<td><strong>NPWL (m):</strong> 13.4 Verified NPWL (m):</td>
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<td><strong>Abandonment:</strong></td>
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<td><strong>Seal Type:</strong> Driven from (m): to</td>
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<td>49.1 666.9 Coal</td>
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<td><strong>Liner:</strong></td>
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<td><strong>OD (mm):</strong></td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td><strong>Open Hole:</strong></td>
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<td>from (m): to</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Water Well Positioned by PFRA in 10TM NAD 27**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NE 24-053-02 W5M**

**Well Owner:** Boisvert, Leo  
**Drilling Contractor:** D&D Water Well Drilling & Services

| **Elevation (AMSL) (m):** | 753 |
| **AEP:** | 358739 |
| **Licence No.:** | Easting: 55,990.39 |
| **Date Started:** | Northing: 5,936,277.00 |
| **Date Completed:** | 05 Jun 91 |

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth (m):** 56.1  
- **NPWL (m):** 22.9  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 53.0  
- **Bottom (m):** 53.0  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Sand Pack  
- **from (m):** to  
- **Liner:**  
- **Type:**  
  - **OD (mm):**  
  - **Thickness (mm):**  
  - **Top (m):** to  
  - **Bottom (m):** to  
  - **Perforated How:**  
    - **from (m):** to  
    - **Size:**  
    - **from (m):** to  
    - **Size:**  
    - **from (m):** to  
    - **Size:**  
- **Screen:**  
  - **Material:** St  
  - **OD (mm):** 1.5  
  - **from (m):** 53.0  
  - **to:** 54.6  
  - **Size:** 0.01  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
- **Open Hole:**  
  - **from (m):** to  
- **Pump:**  
  - **Model:**  
  - **Intake (m):**  
- **Testing:**  
  - **Rate (lpm):** 91.2  
  - **Time (minute):** 120.0  
  - **Level End (m):** 33.5  
  - **Drawdown (m):** 10.7  
  - **Rec’d intake (m):**  
  - **Rec’d Rate (lpm):**  

### Lithologic Description:
- **Depth (m):**  
- **Elevation (BGL) (m):**  
- **Lithologic Description:**  
  - 20.4 733.0 Clay Sandy Yellow  
  - 34.1 719.3 Clay & Coal Sandy Yellow  
  - 41.5 712.0 Sand & Coal Fine Grained  
  - 54.6 698.9 Sand & Coal Coarse Grained  
  - 56.1 697.4 Clay Blue  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:** Nitrte  
- **Potassium:** Nitrte  
- **Calcium:** Nitrate  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Aspatic  
- **Aluminum:** Barium  
- **Beryllium:** Phosphate  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Lab:** COD  
- **Ph:** Mercury  
- **SAR:** Nickel  
- **TKN:** Selenium  
- **Sodium:** Strontium  
- **Potassium:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **Carbonate:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Aluminum:** Manganese  
- **Beryllium:** Phosphate  
- **Chloride:** Ion Balance  
- **Fluoride:** Amm. Nitrogen  
- **Iron:** Total Phosphate  
- **TOC:** Total Alkalinity  
- **Silica:** Nitrate&Nitrite N  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Sporativity:**  
- **Aquifer Test:**  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No  

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

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*Printed on 2/20/98*
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 15.2
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 50.3
  - **Bottom (m):** 50.3
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **From (m):** to 50.3

## Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 47.2
- **Bottom (m):** 63.1
- **Perforated How:** Unknown
  - **From (m):** 47.2 to 63.1
  - **Size:**
  - **From (m):** to
  - **Size:**
  - **From (m):** to
  - **Size:**

## Screen:
- **Material:**
- **OD (mm):**
  - **From (m):** to
  - **Size:**
  - **From (m):** to
  - **Size:**

## Open Hole:
- **From (m):**

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 27.4
- **Drawdown (m):** 12.2
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Molybdenum:**
- **TC:**
- **Zinc:**
- **Carboante:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrte N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**NW 30-053-02 W5M**

**Well Number:** 07687

**Well Owner:** Christiansen, Helen/Lloyd

**Drilling Contractor:** D&D Water Well Drilling & Services

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<th>Lithologic Description</th>
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<td>759.1</td>
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<tr>
<td>87.8</td>
<td>703.9</td>
<td>Sandstone</td>
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**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 87.8 (m)
  - NPWL (m): 33.5
- **Abandonment:**
- **Casing:**
  - Type: Plastic
  - Depth (m): 59.7
  - Bottom (m): 59.7
  - OD (mm): 152.4
  - Thickness (mm): 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): to 59.7

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 57.9
- **Bottom (m):** 87.8
- **Perforated How:** Saw
  - from (m): 61.0 to 87.8
  - Size: 

**Screen:**

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 87.8

**Testing:**

- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):** 79.2
- **Drawdown (m):** 45.7
- **Rec'd intake (m):** 67.1
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**

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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07687

**Elevation (AMSL) (m):** 792

**AEP:** 397116

**Easting:** 47,179.86

**Northing:** 5,937,733.00

**Date Started:** 03 Oct 94

**Date Completed:** 04 Oct 94

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No
**NW 30-053-02 W5M**

**Well Number: 07688**

**Well Owner:** Lagaden, Randy  
**Drilling Contractor:** Midwest Drilling Ltd.

**Elevation (AMSL) (m):** 792  
**AEP:** 414399  
**Licence No.:**  
**Date Started:** 28 Jun 95  
**Easting:** 47,179.86  
**Date Completed:** 28 Jun 95  
**Northing:** 5,937,733.00

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

### Casing:
- **Type:** Steel  
- **Depth (m):** 46.6  
- **Bottom (m):** 46.6
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1
- **Seal Type:** Driven  
- **from (m):** 46.3 to 46.6

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1
- **Top (m):** 41.2  
- **Bottom (m):** 85.3
- **Perforated How:** Hand Drill
  - **from (m):** 73.2 to 85.3  
  - **Size:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 85.3

### Testing:
- **Rate (lpm):** 68.4  
- **Time (minute):** 120.0
- **Level End (m):** 85.3  
- **Drawdown (m):** 27.4
- **Rec’d intake (m):** 67.1  
- **Rec’d Rate (lpm):** 68.4

### Laboratory:
- **pH (pH unit):**  
- **COND. (µS/cm):**  
- **TDS:**  
- **SODIUM:**  
- **NITRATE:**  
- **POTASSIUM:**  
- **CALCIUM:**  
- **MAGNESIUM:**  
- **DIC:**  
- **BICARBONATE:**  
- **ALKALINITY:**  
- **ARSENIC:**  
- **BARIUM:**  
- **SULPHATE:**  
- **BERYLLIUM:**  
- **CHLORIDE:**  
- **IODINE:**  
- **FLUORIDE:**  
- **IRON:**  
- **TOC:**  
- **SILICA:**  
- **LEAD:**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **NITRITE:**  
- **MOLYBDENUM:**  
- **PHOSPHATE:**  
- **CADMIUM:**  
- **SELENIUM:**  
- **MANGANESE:**  
- **ZINC:**  
- **HEXAMETHYLPHOSPHORAMIDATE:**  
- **GAMMA LOG:**  
- **TRANSMISSIVITY:**  
- **M³/day**
- **GAMMA LOG:**  
- **STORATIVITY:**
- **AQUIFER TEST:**  
- **POROSITY:**
- **PROJECT:**
- **DATABASE:** 1.000H
- **CHEMICAL CONSTITUENTS:**
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  - **pH:**
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  - **TDS:**
  - **SODIUM:**
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  - **CALCIUM:**
  - **MAGNESIUM:**
  - **DIC:**
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  - **ARSENIC:**
  - **BARIUM:**
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  - **BERYLLIUM:**
  - **CHLORIDE:**
  - **IODINE:**
  - **FLUORIDE:**
  - **IRON:**
  - **TOC:**
  - **SILICA:**
  - **LEAD:**
  - **COD:**
  - **SAR:**
  - **TDS:**
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  - **CALCIUM:**
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  - **FLUORIDE:**
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  - **BICARBONATE:**
  - **ALKALINITY:**
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  - **SULPHATE:**
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  - **FLUORIDE:**
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  - **TOC:**
  - **SILICA:**
  - **LEAD:**
  - **COD:**
  - **SAR:**
  - **TDS:**
  - **SODIUM:**
  - **NITRATE:**
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  - **DIC:**
  - **BICARBONATE:**
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  - **SULPHATE:**
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  - **IODINE:**
  - **FLUORIDE:**
  - **IRON:**
  - **TOC:**
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  - **TDS:**
  - **SODIUM:**
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  - **DIC:**
  - **BICARBONATE:**
  - **ALKALINITY:**
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  - **BARIUM:**
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  - **CHLORIDE:**
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  - **LEAD:**
  - **COD:**
  - **SAR:**
  - **TDS:**
  - **SODIUM:**
  - **NITRATE:**
  - **POTASSIUM:**
  - **CALCIUM:**
  - **MAGNESIUM:**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27.  

**Database:** Project: 1.000H  
**Well Field Verified:** No
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 m
- **NPWL (m):** 43.3
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 44.8
- **Bottom (m):** 44.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
- **from (m):** 43.3 to 44.8

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 42.7
- **Bottom (m):** 73.2
- **Perforated How:** Saw
- **from (m):** 61.0 to 71.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Gould 5g05422
- **Intake (m):** 61.0

## Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 420.0
- **Level End (m):** 61.0
- **Drawdown (m):** 17.7
- **Rec'd intake (m):** 57.9
- **Rec'd Rate (lpm):** 18.2

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Molybdenum:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphorus:**
- **Cadmium:**
- **Ion Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

## Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**

## Aquifer Test:
- **No**

## AEP Data:
- **Yes**
- **Well Field Verified:** No

## Depth Elevation (BGL) (AMSL):

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## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07689
**Elevation (AMSL) (m):** 791
**Licence No.:** Easting: 46,990.66
**Date Started:** 14 Jun 93
**Notthing:** 5,937,216.50
**Date Completed:** 21 Jun 93

---

**Well Owner:** Ashbey, J.
**Drilling Contractor:** Cobob Pumps And Services Ltd.
**Well Number 07690**

**Well Owner:** Bently, Richard  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Number: 07691

Well Owner: Roberts, John
Drilling Contractor: Cobob Pumps And Services Ltd.

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

Completed Depth: 67.1 m
NPWL (m): 17.1
Verified NPWL (m):

Abandonment:
- Type: Plastic
- Depth (m): 46.9
- Bottom (m): 46.9
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentoni
- from (m): 45.4 to 46.9

**Casing:**
- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 42.7
- Bottom (m): 67.1

Perforated How: Saw
- from (m): 51.8 to 64.0
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:** Sub
- Model: Gould 5g0542z
- Intake (m): 42.7

**Testing:**
- Rate (lpm): 27.4
- Time (minute): 120.0
- Level End (m): 42.7
- Drawdown (m): 28.7
- Rec'd Rate (lpm): 48.8
- Rec'd intake (m): 27.4

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silicon:
- Lead:
- COD:
- SAR:
- TKN:
- Nitrate:
- Molybdenum:
- Zinc:
- DIC:
- Hydroxide:
- Arsenic:
- Strontium:
- Molybdenum:
- Beryllium:
- Phosphate:
- Cadmium:
- Vanadium:
- Nickel:
- Selenium:
- Sulfate:
- Phosphate:
- Ion Balance:
- Amm. Nitrogen:
- Total Phosphate:
- Total Alkalinity:
- Nitrate & Nitrite N:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>5.5</td>
<td>785.3</td>
<td>Clay &amp; Boulders Brown</td>
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<tr>
<td>20.7</td>
<td>770.1</td>
<td>Clay &amp; Gravel Sandy Gray</td>
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<td>23.8</td>
<td>767.0</td>
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<td>30.5</td>
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<td>750.9</td>
<td>Sand &amp; Gravel</td>
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<td>749.3</td>
<td>Sand &amp; Coal</td>
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<td>44.8</td>
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<td>45.7</td>
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<td>64.3</td>
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<td>67.1</td>
<td>723.7</td>
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</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No
**Project:** Database: 1.000H

**AEP Data:** Yes
**Well Field Verified:** No
Ne 01-053-03 W5M

Well Owner: Wallace, John
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 735
AEP: 448004
Licence No.: Easting: 46,208.20
Date Started: Northing: 5,931,529.00
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth 91.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
02 Nov 04
pH (pH unit) 8.20 COD Mercury
Cond. (µS/cm) 1252 SAR Nickel
TDS 785.0 TKN Selenium
Sodium 212.98 Nitrate Strontium
Potassium 1.96 Nitrite Molybdenum
Calcium 68.94 TN Vanadium
Magnesium 16.05 TC Zinc
Carbonate 738.83 DIC Hydroxide
Bicarbonate 38.00 Barium Total Hardness 238.00
Aluminium 12.08 Beryllium Phosphate
Sulphate 120.98 Cadmium Ion Balance 0.96
Chloride 1.06 Cobalt Total Phosphate
Fluoride 0.27 Chromium Amm. Nitrogen
Iron 0.38 Copper Total Alkalinity 606.0
TOC 1.96 Copper
Silica 12.30 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electrical Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NW 01-053-03 W5M**

**Well Owner:** Wadge, C/Je  
**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 41.2 m  
- **NPWL (m):** 19.8  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Casing:**
  - **Type:** Steel  
  - **Depth (m):** 29.0  
  - **Bottom (m):** 29.0  
  - **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Drive Shoe  
  - **from (m):** to 29.0  
- **Liner:**
  - **Type:**  
  - **OD (mm):** 76.2  
  - **Thickness (mm):** 0.1  
  - **Top (m):** 27.4  
  - **Bottom (m):** 41.2  
  - **Perforated How:** Other  
  - **from (m):** to 41.2  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
- **Screen:**
  - **Material:**  
  - **OD (mm):**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
  - **Size:**  
  - **from (m):** to  
- **Open Hole:**
  - **from (m):** to  
- **Pump:**
  - **Model:**  
  - **Intake (m):** 27.4  
- **Testing:**
  - **Rate (lpm):** 27.4  
  - **Time (minute):** 120.0  
  - **Level End (m):** 27.4  
  - **Drawdown (m):** 7.6  
  - **Rec'd intake (m):**  
  - **Rec'd Rate (lpm):** 22.8

**Depth Elevation**
- **(BGL) (AMSL)**
  - **(m)**  
  - **(m):**  
  - **Lithologic Description:**
  - 26.8 709.0 Clay  
  - 29.0 706.9 Shale  
  - 31.1 704.7 Sandstone  
  - 34.8 701.1 Shale  
  - 37.8 698.0 Sandstone  
  - 38.7 697.1 Shale  
  - 40.2 695.6 Sandstone  
  - 41.2 694.7 Shale

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07701  
**Elevation (AMSL) (m):** 736  
**AEP:** 356565  
**Licence No.:** Easting: 45,019.52  
**Date Started:** 12 Feb 88  
**Nothing:** 5,831,494.00  
**Date Completed:** 15 Feb 88  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**NW 02-053-03 W5M**

**Well Owner:** Ettinger, Randy  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>Well Number: 07702</th>
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<tbody>
<tr>
<td>Elevation (AMSL) (m): 734</td>
</tr>
<tr>
<td>AEP: 362769</td>
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<tr>
<td>Licence No.:</td>
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<tr>
<td>Date Started: 06 Sep 91</td>
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<tr>
<td>Easting: 44,049.37</td>
</tr>
<tr>
<td>Northing: 5,831,293.50</td>
</tr>
<tr>
<td>Date Completed: 06 Sep 91</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 37.8 (m)  
- **NPWL (m):** 12.2  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 23.2  
- **Bottom (m):** 23.2  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 23.2

**Liner:**
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 20.1  
- **Bottom (m):** 36.9  
- **Perforated How:** Saw  
- **from (m):** to 36.9  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 15.2  
- **Drawdown (m):** 3.1  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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<tr>
<td>Sodium</td>
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<td>Aluminum</td>
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<tr>
<td>Sulphate</td>
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<tr>
<td>Chloride</td>
</tr>
<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
</tr>
</tbody>
</table>

**Testing:**
- **Electric Log: No**  
- **Transmissivity: m²/day**  
- **Gamma Log: No**  
- **Storativity:***  
- **Aquifer Test: No**  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data: Yes**  
- **Well Field Verified: No**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NW 02-053-03 W5M

Well Owner: Trodd, Jeff/Terese
Drilling Contractor: Grove Drilling Ltd

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
<td></td>
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<tr>
<td>Well Use: Domestic</td>
<td>Clay Sandy</td>
<td></td>
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<tr>
<td>Completed Depth: 40.2</td>
<td>3.1</td>
<td></td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>732.3</td>
<td></td>
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<tr>
<td>Verified NPWL (m):</td>
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<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Casing: | |
| Type: Steel | |
| Depth (m): 21.6 | Bottom (m): 21.6 |
| OD (mm): 114.3 | Thickness (mm): 0.0 |
| Seal Type: Drive Shoe | |
| from (m): | to 21.6 |

| Liner: | |
| Type: | |
| OD (mm): | |
| Top (m): | |
| Perforated How: | |
| from (m): | to Size: |
| from (m): | to Size: |
| from (m): | to Size: |

| Screen: | |
| Material: | |
| OD (mm): | |
| from (m): | to Size: |
| from (m): | to Size: |

| Open Hole: | |
| from (m): | to |

| Pump: | |
| Model: | Intake (m): |

| Testing: | |
| Rate (lpm): 31.9 | Time (minute): 180.0 |
| Level End (m): 15.2 | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

| Laboratory: | Electric Log: No |
| pH (pH unit): | Transmissivity: m³/day |
| Cond. (µS/cm): | Gamma Log: No |
| COD | Storativity: |
| SAR | Aquifer Test: No |
| Nickel | Project: Database: 1.000H |
| TDS | AEP Data: Yes |
| Selenium | Well Field Verified: No |
| Sodium | |
| Nitrate | |
| Strontium | |
| Potassium | |
| Nitrite | |
| Molybdenum | |
| Calcium | |
| TN | Vanadium |
| Magnesium | |
| TC | |
| Zinc | |
| Carbonate | |
| DIC | Hydroxide |
| Arsenic | |
| Bicarbonate | Total Hardness |
| Barium | |
| Manganese | |
| Sulphate | |
| Beryllium | Phosphate |
| Chloride | |
| Cadmium | Ion Balance |
| Flouride | |
| Chromium | Amm. Nitrogen |
| Iron | |
| Cobalt | Total Phosphate |
| TOC | Copper | |
| Total Alkalinity | |
| Silica | Lead | Nitrate&Nitrite N |

| Chemical Constituents are in mg/l (ppm). Except as noted. | |

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Depth Elevation

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>5.2</td>
<td>725.8</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>14.3</td>
<td>716.7</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>18.0</td>
<td>713.0</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>25.3</td>
<td>705.7</td>
<td>Shale Green</td>
</tr>
<tr>
<td>30.8</td>
<td>700.2</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>32.3</td>
<td>698.7</td>
<td>Sandstone</td>
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<tr>
<td>36.0</td>
<td>695.0</td>
<td>Shale Gray</td>
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<tr>
<td>38.7</td>
<td>692.3</td>
<td>Sandstone</td>
</tr>
<tr>
<td>40.8</td>
<td>690.2</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

### Casing:
- **Type:** Plastic
- **Depth (m):** 21.6
- **Bottom (m):** 21.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 21.6

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 20.7
- **Bottom (m):** 40.8
- **Perforated How:** Saw
  - **from (m):** 30.5 to 39.6
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 21.3
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 36.5

### Laboratory:

<table>
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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<td>Sodium</td>
<td>Nitrate</td>
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<td>Amm. Nitrogen</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

### Additional Information:
- **Elevation (AMSL) (m):** 731
- **AEP: 369879**
- **Licence No.:**
- **Date Started:** 10 Jun 93
- **Easting:** 43,080.73
- **Northing:** 5,930,598.00
- **Date Completed:** 10 Jun 93
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
  - NPWL (m): 21.3
- **Abandonment:**

**Casing:**
- **Type:** Steel
  - Depth (m): 56.7
  - Bottom (m): 56.7
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): to 56.7

**Liner:**
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm): 0.1
- **Top (m):** 54.9
  - Bottom (m): 61.0
- **Perforated How:** Hand Drill
  - from (m): 54.9 to 61.0
  - Size:
  - from (m): to
  - from (m): to
  - from (m): to

**Screen:**
- **Material:**
  - OD (mm):
  - from (m): to
  - from (m): to
  - from (m): to

**Open Hole:**
- from (m):

**Pump:**
- **Model:**
- **Intake (m):** 61.0

**Testing:**
- **Rate (lpm):** 342.1
  - Time (minute): 120.0
- **Level End (m):** 61.0
  - Drawdown (m): 39.6
  - Rec’d intake (m): 53.3
  - Rec’d Rate (lpm): 45.6

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Sulfate:**
- **Beryllium:**
- **Cadmium:**
- **Titanium:**
- **Manganese:**
- **Vanadium:**
- **Zinc:**
- **Zirconium:**
- **Cobalt:**
- **Nickel:**
- **Selenium:**
- **Mercury:**
- **Arsenic:**
- **Total Hardness:**
- **Strontium:**
- **Sodium:**
- **Sulfate:**
- **Phosphates:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**
- **Iron:**
- **Calcium:**
- **Magnesium:**
- **Iron:**
- **Manganese:**
- **Calcium:**
- **Vanadium:**
- **Zinc:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27
**NW 07-053-03 W5M**

**Well Number: 07706**

**Well Owner:** Alta Rec & Parks #Well 8 Old 3  
**Drilling Contractor:** Hirate Drilling 1985 Ltd.

**Elevation (AMSL) (m):** 751  
**AEP: 410952**  
**Licence No.:** Easting: 37,285.65  
**Date Started:** Northing: 5,932,844.50  
**Date Completed:** 01 Jan 66

### General:

<table>
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<tr>
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<th>New Well</th>
</tr>
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<tbody>
<tr>
<td>Drilling Method:</td>
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</table>

- **Well Use:** Observation
- **Completed Depth:** 20.1 (m)  
- **NPWL (m):** 1.8
- **Abandonment:**

### Casing:

- **Type:** Unknown
- **Depth (m):** 14.3  
- **Bottom (m):** 14.3
- **OD (mm):** 114.3  
- **Thickness (mm):**
- **Seal Type:** Cement/GROUT
- **from (m):** to 3.1

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:** Un
- **OD (mm):**
- **from (m):** 14.3 to 17.4  
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

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<td>1.46</td>
</tr>
<tr>
<td>Hydroxide</td>
<td>1.46</td>
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### Electric Log:

- **Storativity:**
- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**
- **Transmissivity:** m³/day

### Aquifer Test:

- **Storativity:**
- **Transmissivity:** m³/day

### Project:

- **Database:** 1.000H

### AEP Data:

- **AEP Verified:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 07-053-03 W5M**

**Well Owner:** Alta Rec & Parks #Well 9 Old 1  
**Drilling Contractor:** Hirate Drilling 1985 Ltd.

**Elevation (AMSL) (m): 751**  
**AEP: 411034**

**Licence No.: Easting: 37,285.65**  
**Date Started: 01 Jan 66**  
**Northing: 5,932,844.50**  
**Date Completed: 01 Jan 66**

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<tr>
<th>General:</th>
<th>Lithologic Description</th>
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<td>Type of Work: New Well</td>
<td>2.4 748.3 Clay Brown</td>
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<td>Drilling Method: Rotary</td>
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<td>Well Use: Observation</td>
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<td>Completed Depth 61.0 (m)</td>
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<td>from (m): to Size:</td>
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<td><strong>Open Hole:</strong> from (m): to</td>
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<td>14 Jul 82</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**SW 07-053-03 W5M**

Well Owner: **Boldt, Ted**
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**Depth Elevation**

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**Laboratory:**

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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Test Hole
- **Well Use:** Investigation
- **Completed Depth:** 19.8 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite N

## Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 33.5 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to **Size:**
  - from (m): to **Size:**
- **Open Hole:**
  - from (m): to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **DIC:** Mercury
- **pH:** Nickel
- **TDS:** Selenium
- **Sodium:** Strontium
- **Potassium:** Molybdenum
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **Carbonate:** Hydroxide
- **bicarbonate:** Total Hardness
- **Aluminum:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Iron Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Nitrate
- **DIC:** Nitrite
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **AEP Data:** Yes
- **Database:** 1.000H
- **Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation:
- **(BGL) (AMSL) (m) (m) (m)
- **Lithologic Description**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

Printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)
- NPWL (m): 40,384.68
- Verified NPWL (m): 40,384.68
- Abandonment:

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m):
  - to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m):
  - to
  - Size:
- from (m):
  - to
  - Size:
- from (m):
  - to
  - Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m):
    - to
    - Size:
  - from (m):
    - to
    - Size:

**Open Hole:**
- from (m):
  - to

**Pump:**
- **Model:**
  - **Intake (m):**

**Testing:**
- **Rate (lpm):**
  - **Time (minute):**
- **Level End (m):**
  - **Drawdown (m):**
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Lithologic Description

(No Lithologic Information Available)

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

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<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.4 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 48.5
- **Bottom (m):** 48.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 48.5

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 44.5
- **Bottom (m):** 58.5
- **Perforated How:** Saw
- **from (m):** 44.5 to 58.5
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):** 30.5
- **Drawdown (m):** 6.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>Silica</td>
<td>Lead</td>
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### Electric Log:

- **Transmission:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Water Well Number: 07712**

**Well Owner:** Turlock, Dan

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 741

**AEP:** 369290

**Licence No.:**

**Date Started:** 30 Apr 93

**Date Completed:** 03 May 93

**Easting:** 46,495.44

**Northing:** 5,932,265.00

---

**Drilling Method:** Rotary

**Well Use:** Domestic

**Completed Depth:** 59.4 (m)

**NPWL (m):** 24.4

**Verified NPWL (m):**

**Abandonment:**

**Type:** Plastic

**Depth (m):** 48.5

**Bottom (m):** 48.5

**OD (mm):** 152.4

**Thickness (mm):** 0.1

**Seal Type:** Formation Seal

**from (m):** to 48.5

**Type:**

**OD (mm):** 114.3

**Thickness (mm):** 0.1

**Top (m):** 44.5

**Bottom (m):** 58.5

**Perforated How:** Saw

**from (m):** 44.5 to 58.5

**Size:**

**from (m):** to

**Size:**

**from (m):** to

**Type:**

**OD (mm):**

**from (m):** to

**Size:**

**from (m):** to

**Size:**

**from (m):** to

**Model:**

**Intake (m):**

**Rate (lpm):** 63.9

**Time (minute):** 420.0

**Level End (m):** 30.5

**Drawdown (m):** 6.1

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

---

**pH (pH unit):**

**COD:** Mercury

**SAR:** Nickel

**TDS:** Selenium

**Nitrate:** Strontium

**Nitrite:** Molybdenum

**TN:** Vanadium

**TC:** Zinc

**DIC:** Hydroxide

**Arsenic:** Total Hardness

**Barium:** Manganese

**Beryllium:** Phosphorus

**Cadmium:** Ion Balance

**Chromium:** Amm. Nitrogen

**Cobalt:** Total Phosphate

**Copper:** Total Alkalinity

**Lead:** Nitrate&Nitrite N

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**SE 13-053-03 W5M**

**Well Owner:** Webster, W.J  
**Drilling Contractor:** Blakeman’S, Norm Drilling Ltd.  

**Elevation (AMSL) (m):** 748  
**AEP:** 354051  
**Licence No.:** Easting: 46,447.00  
**Date Started:** Sep 27  
**North: 5,834,126.50**  
**Date Completed:** Sep 27  

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| Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic & Stock  
Completed Depth 42.7 (m)  
NPWL (m): 18.9  
Abandonment:  
Casing:  
Type: Galvanized Steel  
Depth (m): 35.0  
Bottom (m): 35.0  
OD (mm): 114.3  
Thickness (mm): 0.0  
Seal Type: Driven  
from (m): to 34.8  
Liner:  
Type:  
OD (mm): Thickness (mm):  
Top (m): 34.8  
Bottom (m): 42.7  
Perforated How: Machine  
from (m): 39.0 to 42.7  
from (m): to  
from (m): to  
Screen:  
Material:  
OD (mm):  
from (m): to  
from (m): to  
Open Hole:  
from (m): to  
Pump:  
Model: Intake (m):  
Testing:  
Rate (lpm): 91.2  
Time (minute): 120.0  
Level End (m): 30.5  
Rec'd intake (m): Rec'd Rate (lpm):  

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Cond. (µS/cm): SAR Nickel  
TDS: TKN Selenium  
Sodium: Nitrate Strontium  
Potassium: Nitrite Molybdenum  
Calcium: TN Vanadium  
Magnesium: TC Zinc  
Carbonate: DIC Hydroxide  
Bicarbonate: Arsenic Total Hardness  
Aluminum: Barium Manganese  
Sulphate: Beryllium Phosphate  
Chloride: Cadmium Ion Balance  
Fluoride: Chromium Amm. Nitrogen  
Iron: Cobalt Total Phosphate  
TOC: Copper Total Alkalinity  
Silica: Lead Nitrate&Nitrite N  
Chemical Constituents are in mg/l (ppm). Except as noted.  

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Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Well Use:** Investigation

### Casing:
- **Type:**
  - **Depth (m):**
  - **OD (mm):**
  - **Seal Type:**
  - **Abandonment:**

### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**

### Screen:
- **Material:**
  - **OD (mm):**
  - **Thickness (mm):**

### Open Hole:
- **from (m):**
- **to:**
- **Size:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Manganese:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Iron:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Depth Elevation (BGL) (AMSL) (m) Lithologic Description

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### Electric Log:
- **Yes**
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Electric Log:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Well Number:** 07715
- **Well Owner:** Milne, Kevin
- **Drilling Contractor:** Marwayne Water Well Drilling Services Ltd
- **Elevation (AMSL) (m):** 775
- **AEP:** 368845
- **Licence No.:**
- **Date Started:** 17 Nov 92
- **Date Completed:** 18 Nov 92
- **Easting:** 41,819.93
- **Northing:** 5,935,050.50

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**Casings:**

- **Type:** Plastic
- **Depth (m):** 41.2
- **Bottom (m):** 41.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Type:** Shale Trap & Bentonite
- **from (m):** 41.2

**Liners:**

- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 40.8
- **Bottom (m):** 54.9
- **Perforated How:** Saw
- **from (m):** 42.7
- **to (m):** 54.9

**Screens:**

- **Material:** Plastic
- **OD (mm):**
- **from (m):**
- **to (m):**

**Pump:**

- **Model:**
- **Intake (m):** 39.6
- **Rate (lpm):** 27.4
- **Time (minute):** 180.0
- **Level End (m):** 35.0
- **Drawdown (m):** 1.2
- **Rec'd intake (m):** 39.6
- **Rec'd Rate (lpm):** 27.4

**Laboratory:**

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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**13-16-053-03 W5M**

**Well Owner:** Pockett, Sam  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 782  
**AEP:** 369760  
**Licence No.:**  
**Date Started:** 22 Jul 77  
**Date Completed:** 23 Jul 77

---

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 51.8 (m)  
- **NPWL (m):** 10.7  
- **Verified NPWL (m):**

**Abandonment:**
- **Type:** Galvanized Steel  
- **Depth (m):** 42.1  
- **Bottom (m):** 42.1  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.0

**Seal Type:** Driven
- **from (m):** to 0.3

### Liner:
- **Type:**
- **OD (mm):** 88.9  
- **Thickness (mm):** 0.2  
- **Top (m):** 51.8

**Perforated How:** Torch
- **from (m):** 42.1 to 51.8  
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**

**Testing:**
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):** 40.2  
- **Drawdown (m):** 29.6  
- **Rec'd intake (m):** 40.2  
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
**NE 16-053-03 W5M**

**Well Owner:** Mitchell, Albert  
**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.

| General: | | Depth Elevation |
| --- | --- | --- | --- |
| **Type of Work:** New Well | **Elevation (AMSL) (m):** 774 | **Lithologic Description** |
| **Drilling Method:** Rotary | **AEP:** 351708 | (m) | (m) | |
| **Well Use:** Domestic | **Date Started:** 08 Jun 90 | **Type of Work:** | **Elevation (BGL) (m):** |
| **Completed Depth 51.2 (m)** | **Easting:** 41,506.92 | | **(m) | (m) | **Lithologic Description** |
| **NPWL (m):** 9.1 | **Northing:** 5,934,562.00 | **Drilling Method:** | **(m) | (m) | **Lithologic Description** |
| **Abandonment:** | | **Well Use:** | **(m) | (m) | **Lithologic Description** |
| **Casing:** | | **Type:** | **(m) | (m) | **Lithologic Description** |
| **Type:** Steel | | **Depth (m):** 32.6 | **Clay Brown** |
| **Depth (m):** 32.6 | | **Thickness (m):** 0.1 | 7.3 767.0 |
| **OD (mm):** 139.7 | | **Shale Light Gray** |
| **Seal Type:** Driven | **Sand & Gravel** |
| **from (m):** 39.0 | **Shale Sandy Light Gray** |
| to **51.2** | 18.9 755.4 |
| **Liner:** | | **Sandstone Sandy Gray** |
| **Type:** | **Shale Green** |
| **OD (mm):** 114.3 | **Shale & Coal** |
| **Thickness (m):** 0.1 | 34.1 740.2 |
| **Top (m):** 30.5 | **Shale Light Green** |
| **Bottom (m):** 51.2 | 36.9 737.4 |
| **Perforated How:** Machine | **Shale Sandy Gray** |
| from (m): 39.0 | **Shale Gray** |
| to **51.2** | 40.8 733.5 |
| from (m): **30.5** | **Sand Gray** |
| to **36.6** | 43.6 730.7 |
| from (m): **36.6** | **Coal** |
| to **36.6** | 44.2 730.1 |
| **Screen:** | **Sandstone Sandy Gray** |
| **Material:** | **Coal** |
| **OD (mm):** | **Shale Sandy Gray** |
| from (m): | **Shale & Coal** |
| to **38.7** | 36.9 737.4 |
| from (m): | **Sandstone Sandy Gray** |
| to **40.8** | 43.6 730.7 |
| from (m): | **Shale Gray** |
| to **44.2** | 44.2 730.1 |
| **Open Hole:** | **Sand Gray** |
| from (m): | **Coal** |
| to **44.2** | 44.2 730.1 |
| **Pump:** Goulds | **Sandstone Sandy Gray** |
| **Model:** | **Shale & Coal** |
| **Intake (m):** 36.6 | **Sandstone Sandy Gray** |
| **Testing:** | **Shale Sandy Gray** |
| **Rate (lpm):** 100.3 | **Shale Gray** |
| **Time (minute):** 120.0 | **Sand & Gravel** |
| **Level End (m):** 30.5 | **Shale Light Gray** |
| **Drawdown (m):** 21.3 | **Drill Field Verified:** No |
| **Rec’d rate (m):** 36.6 | **Rec’d intake (lpm):** |
| **Laboratory:** | | | |
| **pH (pH unit):** | **Chemical Constituents are in mg/l (ppm). Except as noted.** |
| **Cond. (µS/cm):** | | | |
| **SAR:** | | | |
| **TDS:** | | | |
| **Nitrate:** | | | |
| **Sodium:** | | | |
| **Strontium:** | | | |
| **Potassium:** | | | |
| **Molybdenum:** | | | |
| **Calcium:** | | | |
| **Vanadium:** | | | |
| **Magnesium:** | | | |
| **Zinc:** | | | |
| **Carbonate:** | | | |
| **Hydroxide:** | | | |
| **Bicarbonate:** | | | |
| **Arsenic:** | | | |
| **Total Hardness:** | | | |
| **Aluminum:** | | | |
| **Manganese:** | | | |
| **Sulphate:** | | | |
| **Beryllium:** | | | |
| **Phosphate:** | | | |
| **Chloride:** | | | |
| **Ion Balance:** | | | |
| **Fluoride:** | | | |
| **Amm. Nitrogen:** | | | |
| **Iron:** | | | |
| **Cobalt:** | | | |
| **Total Phosphate:** | | | |
| **TOC:** | | | |
| **Copper:** | | | |
| **Total Alkalinity:** | | | |
| **Silica:** | | | |
| **Lead:** | | | |
| **Nitrate&Nitrite N**: | | | |

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casings:
- **Type:** Plastic
- **Depth (m):** 21.6
- **Bottom (m):** 21.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentoni
- **from (m):** 19.8 to 21.6

### Liner:
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):** 0.1
- **Top (m):** 18.3
- **Bottom (m):** 36.6
- **Perforated How:** Saw
- **from (m):** 27.4 to 36.6
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 30.5

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 180.0
- **Level End (m):** 27.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 36.5

### Laboratory:

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### Depth Elevation

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### Electric Log

- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
Type of Work: **Chemistry**
Drilling Method: **Not Applicable**
Well Use: **Domestic**
Completed Depth: **25.9 (m)**
NPWL (m): Verified NPWL (m):
Abandonment:

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<td>Level End (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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<th>pH (pH unit): COD Mercury</th>
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<td>Cond. (µS/cm): SAR Nickel</td>
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<td>Sodium: Nitrate Strontium</td>
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<td>Potassium: Nitrite Molybdenum</td>
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<td>Calcium: TN Vanadium</td>
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<td>Magnesium: TC Zinc</td>
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<td>Carbonate: DIC Hydroxide</td>
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<td>Bicarbonate: Arsenic Total Hardness</td>
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<td>Sulphate: Beryllium Phosphate</td>
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<td>Silica: Lead Nitrate&amp;Nitrite N</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

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<tr>
<th>Electric Log:</th>
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<td>Gamma Log:</td>
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<td>AEP Data:</td>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**General:**

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<td>Tribiger, Martin</td>
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**Casing:**

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**Liner:**

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**Screen:**

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**Open Hole:**

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**Pump:**

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<tr>
<td>Chromium</td>
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<tr>
<td>Amm. Nitrogen</td>
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<tr>
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<td>Cobalt</td>
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<tr>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Copper</td>
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<tr>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NE 17-053-03 W5M**

**Well Number:** 07721

**Well Owner:** Greanya, Eugene

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 780

**AEP:** 406436

**Licence No.:**

**Date Started:** 03 Apr 95

**Date Completed:** 06 Apr 95

**Wellsite Positioning:**

- **License No.:** Easting: 39.730.31
- **Northig:** 5,834.502.50
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 17.7
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 38.7
- **Bottom (m):** 38.7
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - from (m): 36.8 to 38.7

### Liner:

- **Type:**
  - OD (mm): 114.3
  - Thickness (mm): 0.1
  - Top (m): 36.6
  - Bottom (m): 48.8
- **Perforated How:** Saw
  - from (m): 38.1 to 45.7
- **Screen:**
  - Material:
    - OD (mm): from (m): to to Size:
    - from (m): to to Size:
- **Open Hole:**
  - from (m): to

### Pump:

- **Model:** Gould
- **Intake (m):** 24.4

### Testing:

- **Rate (lpm):** 20.5
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Drawdown (m):** 6.7
- **Rec'd Rate (lpm):** 30.5
- **Rec'd intake (m):** 18.2

### Laboratory:

- **pH (pH unit):** COD
  - SAR: Mercury
- **Cond. (µS/cm):** TKN
  - TDS: Selenium
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** Molybdenum
- **Magnesium:** TN
- **Carbonate:** Vanadium
- **Bicarbonate:** TC
- **Aluminium:** Zinc
- **Sulphate:** Hydroxide
- **Chloride:** Arsenic
- **Fluoride:** Total Hardness
- **Iron:** Manganese
- **TOC:** Phosphate
- **Silica:** Beryllium
- **Open Hole:** Cadium
- **Pump:** Cadmium
- **Chloride:** Amm. Nitrogen
- **Iron:** Cobalt
- **TOC:** Total Phosphate
- **Silica:** Copper
- **Laboratory:** Total Alkalinity
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:**
Well Number: 07722

Well Owner: Monaghan, Mary E
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 781
AEP: 356918
Licence No.: Easting: 39,637.50
Date Started: Northing: 5,934,707.50
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth 57.9 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbohydrate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
 Sulphate Beryllium Phosphate
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Water Well Positioned by PFRA in 10TM NAD 27
**NE 17-053-03 W5M**

**Well Owner:** St Martin, P  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 777  
**AEP:** 351275  
**Licence No.:**  
**Easting:** 39,474.72  
**Date Started:** 21 Mar 90  
**Northing:** 5,834,366.50  
**Date Completed:** 23 Mar 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 (m)  
- **NPWL (m):** 9.1  
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 16.8  
- **Bottom (m):** 16.8  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 15.2

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 15.2  
- **Bottom (m):** 48.8  
- **Perforated How:** Machine  
- **from (m):** to 48.8  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 45.6  
- **Time (minute):** 420.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 21.3  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TN:**  
- **TC:**  
- **DIC:**  
- **Sodium:**  
- **Sulfate:**  
- **Barium:**  
- **Chloride:**
- **Bicarbonate:**  
- **Nitrate:**  
- **Arsenic:**  
- **Lanthanum:**  
- **Nickel:**  
- **Selenium:**  
- **Vanadium:**
- **Magnesium:**  
- **Strontium:**  
- **Calcium:**
- **Hydroxide:**
- **Barium:**
- **Iron:**
- **TOC:**
- **Silica:**  
- **Lead:**

### Electric Log:
- **Transmissivity:**  
- **Gamma Log:**  
- **Aquifer Test:**
- **Project:** Database: 1.000H

### Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 15.2
- **Elevation (AMSL) (m):** 781
- **Licence No.:** Easting: 39,994.47
- **Drilling Contractor:** Northing: 5,934,863.50
- **Date Started:** 03 Aug 94
- **Date Completed:** 04 Aug 94

### Lithologic Description

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<td>770.0</td>
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<td>26.8</td>
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<td>35.4</td>
<td>745.6</td>
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<td>Shale Green</td>
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<td>54.6</td>
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</tr>
<tr>
<td>54.9</td>
<td>726.1</td>
<td>Sandstone Gray</td>
</tr>
</tbody>
</table>

### Casing:
- **Type:** Plastic
  - **Depth (m):** 36.0
  - **Bottom (m):** 36.0
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 36.0

### Liner:
- **Type:** Plastic
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 35.7
  - **Bottom (m):** 54.9
- **Perforated How:** Saw
  - **from (m):** 38.1 to 41.5
  - **Size:**
  - **from (m):** 42.7 to 45.1
  - **Size:**
  - **from (m):** 47.6 to Size:

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:** Sub
  - **Intake (m):** 39.9

### Testing:
- **Rate (lpm):** 18.2
  - **Time (minute):** 120.0
- **Level End (m):** 35.4
  - **Drawdown (m):** 19.8
- **Rec'd intake (m):** 39.9
  - **Rec'd Rate (lpm):** 18.2

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Model:**
  - **Intake (m):** 39.9

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth (m):** 48.8
- **NPWL (m):** Veriﬁed NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

## Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):** COD
- **Chemical Constituents are in mg/l (ppm). Except as noted.

## Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 33.5m
- **NPWL (m):** 7.0
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Steel
- **Depth (m):** 23.5
- **Bottom (m):** 23.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Other
- **from (m):** 12.2
- **to:** 23.8

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 21.3
- **Bottom (m):** 33.5
- **Perforated How:** Hand Drill
- **from (m):** 23.8
- **to:** 33.5
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

#### Open Hole:
- **from (m):**
- **to:**

#### Pump:
- **Model:**
- **Intake (m):** 24.4
- **Testing:**
  - **Rate (lpm):** 54.7
  - **Time (minute):** 120.0
  - **Level End (m):** 17.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 54.7

#### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Sodium:**
- **Nitrite:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **TC:**
- **DIC:**
- **Carbonate:**
- **Bicarbonate:**
- **Arsenic:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrile:**
- **Total Hardness:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Dichromate:**
- **Barium:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

#### Depth Elevation (BGL) (AMSL):
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#### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**Well Number:** 07727

**Well Owner:** Bruner, Grant

**Drilling Contractor:** D&D Water Well Drilling & Services

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **NPWL (m):** 48.5
- **Verified NPWL (m):**
- **Abandonment:**

#### Casting:
- **Type:** Plastic
- **Depth (m):** 54.0
- **Bottom (m):** 54.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 54.0

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 52.4
- **Bottom (m):** 76.2
- **Perforated How:** Saw
- **from (m):** 64.0 to 76.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):** 76.2

#### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Selenium:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation (AMSL) (m):** 779

**AEP:** 406439

**Date Started:** 24 Apr 95

**Easting:** 36,018.18

**Drilling Contractor:** D&D Water Well Drilling & Services

**Date Completed:** 25 Apr 95

**Northing:** 5,936,326.00
**SE 22-053-03 W5M**  
**Well Number 07728**

**Well Owner:** Comstock  
**Drilling Contractor:** Big Iron Drilling Ltd.

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<td>(m)</td>
<td>(m)</td>
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<td>Drilling Method: Cable Tool</td>
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<tr>
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<td>to 30.5</td>
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<td>to</td>
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<td>from (m):</td>
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**Well Number:** 07728  
**Elevation (AMSL) (m):** 777  
**AEP:** 394176  
**Licence No.:** 42,786.76  
**Date Started:** 23 Oct 78  
**Easting:** 5,935,352.50  
**Date Completed:** 26 Oct 78  
**Northing:**
**SE 22-053-03 W5M**

**Well Number 07729**

**Well Owner:** Dolhagaray, Ken  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 777  
**AEP:** 352506  
**Licence No.:** Easting: 42,786.76  
**Date Started:** 02 Oct 90  
**Northing:** 5,935,360.50  
**Date Completed:** 04 Oct 90

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<td><strong>OD (mm):</strong></td>
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<td>Size:</td>
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<td><strong>Open Hole:</strong></td>
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<tr>
<td><strong>Pump:</strong></td>
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<td><strong>TDS:</strong></td>
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<td><strong>Sulfate:</strong></td>
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<td><strong>Nitrite:</strong></td>
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<td></td>
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</tr>
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</tr>
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<td><strong>Vanadium:</strong></td>
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<td><strong>Carbonate:</strong></td>
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<td><strong>DIC:</strong></td>
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<tr>
<td><strong>Bicarbonate:</strong></td>
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<td><strong>Aluminum:</strong></td>
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</tr>
<tr>
<td><strong>Barium:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sulphate:</strong></td>
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<td><strong>Beryllium:</strong></td>
<td></td>
<td></td>
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</tr>
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<td><strong>Chloride:</strong></td>
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<td></td>
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<tr>
<td><strong>Cadmium:</strong></td>
<td></td>
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<td><strong>Fluoride:</strong></td>
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<td><strong>Cobalt:</strong></td>
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<tr>
<td><strong>TOC:</strong></td>
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<td></td>
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<tr>
<td><strong>Copper:</strong></td>
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<td><strong>Silica:</strong></td>
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<td><strong>Lead:</strong></td>
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<td><strong>Open Hole:</strong></td>
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<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 02/20/98**

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**  

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
**SE 22-053-03 W5M**

**Well Owner:** Leblanc, Lorie

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<td>43,062.12</td>
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<td>Date Started:</td>
<td>30 Jan 94</td>
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<td>Date Completed:</td>
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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

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<td>NPWL (m):</td>
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**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 34.4
- **Bottom (m):** 34.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Liner:**
- **Type:** Formation Seal
- **Top (m):** 32.9
- **Bottom (m):** 54.0

**Screen:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):** to

**Liner:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **OD (mm):**
  - from (m): to Size:

**Perforated How:**
- **Model:** Gould 7605412
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:** Nitrate&Nitrite N

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>(m)</th>
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<td>770.1</td>
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<td>9.4</td>
<td>769.2</td>
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<td>32.3</td>
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<td>726.8</td>
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**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- AEP Data: Yes Well Field Verified: No

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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
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<td>Thickness (mm):</td>
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<td>Top (m):</td>
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<td>Size:</td>
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<td>from (m):</td>
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<td>Size:</td>
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**Laboratory: 19 Oct 78**

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| Chemical Constituents are in mg/l (ppm). Except as noted. |

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**Electric Log: No**

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**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
### SE 22-053-03 W5M

**Well Owner:** Smith, George  
**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

**Well Number:** 07732  
**Elevation (AMSL) (m):** 775  
**AEP:** 418073  
**Licence No.:** Easting: 42,944.80  
**Date Started:** 27 Aug 85  
**Northing:** 5,935,529.00  
**Date Completed:** 28 Aug 85

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 36.6 (m)  
**NPWL (m):** 7.6  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Steel  
- **Depth (m):** 29.0  
- **Bottom (m):** 29.0  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Drive Shoe

**Linings:**
- **Type:**  
- **OD (mm):** 76.2  
- **Bottom (m):** 36.6  
- **Thickness (mm):** 0.1  
- **Top (m):** 28.4  
- **Perforated How:** Other

**Screen:**
- **Material:**  
- **OD (mm):**
  - from (m): to Size:  
- **Thickness (mm):**
  - from (m): to Size:  
- **Open Hole:** from (m): to

**Pump:**
- **Model:** Intake (m): 27.4

**Testing:**
- **Rate (lpm):** 13.7  
- **Time (minute):** 420.0

**Level End (m):** 27.4  
**Drawdown (m):** 27.4  
**Rec'd intake (m):**

---

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** KTN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Depth Elevation (BGL) (AMSL) (m):**
- 7.6  
- 767.3  
- Clay

- 16.8  
- 758.2  
- Clay Sandy

- 25.9  
- 749.1  
- Sand

- 30.5  
- 744.5  
- Shale

- 34.1  
- 740.8  
- Sandstone

- 36.6  
- 738.4  
- Shale

---

**Electric Log:** No  
**Transmissivity:**  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

*printed on 2/20/98*
**SE 22-053-03 W5M**

**Well Number:** 07733

**Well Owner:** Smith, George

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 775

**Licence No.:** Easting: 42,758.62

**Date Started:** 10 Aug 95

**Nortthing:** 5,935,452.50

**Date Completed:** 16 Aug 95

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** 17.7 (verified NPWL (m):
- **Abandonment:**

#### Casing:

- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
- **from (m):** 24.4 to 36.6

#### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 35.0
- **Bottom (m):** 54.9
- **Perforated How:** Machine
- **from (m):** 39.6 to 51.8
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

#### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Open Hole:

- **from (m):**
- **to**

#### Pump:

- **Model:**
- **Intake (m):** 30.5

#### Testing:

- **Rate (lpm):** 29.7
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 12.8
- **Rec’d intake (m):** 39.6
- **Rec’d Rate (lpm):** 27.4

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Molybdenum:**
- **Cadmium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on:** 2/20/98
**SE 22-053-03 W5M**

**Well Number 07734**

**Well Owner:** Smith, George  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 778  
**AEP:** 418074  
**Date Started:** 16 Aug 95  
**Date Completed:** 16 Aug 95

**General:**
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:** Bentonite Product  
  16 Aug 95

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

**Screen:**
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):  
- **Testing:** Rate (lpm):  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log: No**  
**Transmissivity:** m²/day  
**Gamma Log: No**  
**Storage:**  
**Aquifer Test: No**  
**Project:** Database: 1.000H  
**AEP Data: Yes**  
**Well Field Verified: No**

**Printed on:** 2/20/98
**SE 22-053-03 W5M**

**Well Owner:** Westland Park Community League

**Drilling Contractor:** D&D Water Well Drilling & Services

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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 70.1 (m)
- **NPWL (m):** 28.0 (m)
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 40.5
- **Bottom (m):** 40.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 70.1

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 39.3
- **Bottom (m):** 70.1

### Perforated How:
- **Saw**
- **from (m):** 54.9 to 68.6
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 70.1

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 180.0
- **Level End (m):** 61.0
- **Drawdown (m):** 32.9
- **Rec'd intake (m):** 61.0
- **Rec'd Rate (lpm):** 18.2

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:
- **Transmissivty:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 m
- **Elevation (AMSL):** 775 m
- **Licence No.:** 412705
- **Date Started:** 10 Nov 95
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.
- **Date Completed:** 13 Nov 95

### Lithologic Description

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<td>747.5</td>
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<td>Shale Brown</td>
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### Casing:
- **Type:** Plastic
- **Depth (m):** 16.8
- **Bottom (m):** 16.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:**
- **Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to (m):**
- **Size:**
- **Screen:
- **Material:** St
- **OD (mm):** 1.5
- **from (m):** 16.8
- **to (m):** 18.3
- **Size:** 0.01
- **Open Hole:
- **from (m):**
- **to (m):**
- **Pump:
- **Model:**
- **Intake (m):**
- **Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 10.7
- **Drawdown (m):** 3.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

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<td>Cond. (µS/cm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TDS</td>
<td></td>
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</tr>
<tr>
<td>Sodium</td>
<td></td>
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</tr>
<tr>
<td>Potassium</td>
<td></td>
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<tr>
<td>Calcium</td>
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<tr>
<td>Magnesium</td>
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<tr>
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<tr>
<td>Bicarbonate</td>
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<tr>
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<td>Chloride</td>
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<tr>
<td>Fluoride</td>
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<tr>
<td>Iron</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silica</td>
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<tr>
<td>pH (pH unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAR</td>
<td></td>
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<tr>
<td>TKN</td>
<td></td>
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<tr>
<td>Nitrate</td>
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<tr>
<td>Nitrite</td>
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</tr>
<tr>
<td>Molybdenum</td>
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<td>Zinc</td>
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<td>Hydroxide</td>
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<tr>
<td>Total Hardness</td>
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<td>Manganese</td>
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<td>Phosphate</td>
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<tr>
<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<td>Total Phosphate</td>
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<td></td>
</tr>
<tr>
<td>Total Alkalinity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** \( m^2/day \)
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SE 22-053-03 W5M**

**Well Number:** 07737

**Well Owner:** Yates, Darrell

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 779

**AEP:** 365508

**Licence No.:** 43,253.76

**Date Started:** 09 Jun 92

**Date Completed:** 10 Jun 92

**General:**

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>61.0 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>18.9</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
<tr>
<td>Depth (m):</td>
<td>37.5</td>
</tr>
<tr>
<td>Bottom (m):</td>
<td>37.5</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>152.4</td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td>0.2</td>
</tr>
<tr>
<td>Seal Type:</td>
<td>Shale Trap &amp; Bentonite</td>
</tr>
<tr>
<td>from (m): to</td>
<td>37.5</td>
</tr>
</tbody>
</table>

**Liner:**

| Type | Plastic |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Top (m): | 36.9 |
| Bottom (m): | 61.0 |
| Perforated How: | Saw |
| from (m): to | 61.0 |
| Size: | |
| from (m): to | Size: |
| Screen: | |
| Material: | |
| from (m): to | Size: |
| from (m): to | Size: |
| Open Hole: | |
| from (m): to | |

**Pump:**

| Model: | |
| Rate (lpm): | 13.7 |
| Time (minute): | 420.0 |
| From: | |
| To: | |

**Testing:**

| Rate (lpm): | 13.7 |
| Time (minute): | 420.0 |
| Drawdown (m): | 28.7 |
| Rec'd intake (m): | |
| Rec'd Rate (lpm): | 13.7 |

**Laboratory:**

| pH (pH unit): | |
| COD: | |
| SAR: | |
| TDS: | |
| Sodium: | |
| Nitrate: | |
| Potassium: | |
| Nitrite: | |
| Calcium: | |
| TN: | |
| Magnesium: | |
| TC: | |
| Carbonate: | |
| DIC: | |
| Bicarbonate: | |
| Arsenic: | |
| Aluminium: | |
| Barium: | |
| Sulphate: | |
| Beryllium: | |
| Chloride: | |
| Cadmium: | |
| Fluoride: | |
| Chromium: | |
| Iron: | |
| TOC: | |
| TOC: | |
| Silica: | |
| Lead: | |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Completion Details:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 18.9
- **Abandonment:**
- **Shale Trap & Bentonite**
- **from (m): to** 37.5
- **Liner Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 36.9
- **Bottom (m):** 61.0
- **Saw perforation**
- **from (m): to** 61.0

**Screen Details:**

- **Material:**
- **from (m): to** Size:
- **from (m): to** Size:

**Open Hole:**

- **from (m): to**

**Pump Details:**

- **Model:**
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **From:**
- **To:**

**Testing Details:**

- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Drawdown (m):** 28.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 13.7

**Laboratory Details:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Nitrite:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- **Water Well Positioned by PFRA in 10TM NAD 27**
**NW 23-053-03 W5M**

Well Owner: Lengner, Hanz  
Drilling Contractor: Kap’S Drilling Ltd.

Elevation (AMSL) (m): 773  
AEP: 380526  
Licence No.:  
Date Started: 20 Oct 93  
Easting: 43,688.67  
Date Completed: 21 Oct 93  
Northing: 5,936,309.50

### General:

**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic & Stock  
**Completed Depth:** 67.1 (m)  
**NPWL (m):** 19.2  
**Abandonment:**

#### Casting:

- **Type:** Plastic  
- **Depth (m):** 43.3  
- **Bottom (m):** 43.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 43.3

#### Liner:

- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 42.1  
- **Bottom (m):** 67.1  

- **Perforated How:** Saw  
  - **from (m):** to 43.3  
  - **Size:**
  - **from (m):** to 67.1  
  - **Size:**

#### Screen:

- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

#### Open Hole:

- **from (m):** to

#### Pump:

- **Model:** Intake (m): 41.2

#### Testing:

- **Rate (lpm):** 45.6  
- **Time (minute):** 420.0  
- **Level End (m):** 41.2  
- **Drawdown (m):** 21.9  
- **Rec’d intake (m):** 41.5  
- **Rec’d Rate (lpm):** 45.6

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Arsenic:**
- **Sulphate:**
- **Selenium:**
- **Nitrate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrite:**
- **Beryllium:**
- **Barium:**
- **Anion:**
- **Beryllium:**
- **Cadmium:**
- **Copper:**
- **Lead:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Sodium:**
- **Molybdenum:**
- **Vanadium:**
- **Phosphate:**
- **Ion Balance:**
- **Strontium:**
- **Sulphate:**
- **Total Hardness:**
- **Barium:**
- **Chromium:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Nitrate & Nitrite:**
- **Calcium:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Molybdenum:**
- **Vanadium:**
- **Phosphate:**
- **Ion Balance:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Nitrate & Nitrite:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **No**

### Gamma Log:

- **No**

### Aquifer Test:

- **No**

### Database:

- **Project:** 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
SE 23-053-03 W5M

Well Number: 07739

Well Owner: Stubbe, Paul
Drilling Contractor: Big Iron Drilling Ltd.

Elevation (AMSL) (m): 784
AEP: 365603
Licence No.: Easting: 44,859.60
Date Started: 23 May 92
Northing: 5,935,242.00
Date Completed: 30 May 92

Well Use: Domestic

Completed Depth: 67.1 (m)
NPWL (m): 12.2
Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 43.0
OD (mm): 139.7
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 43.0

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 42.7
Bottom (m): 67.1

Perforated How: Torch
from (m): 45.7 to 54.9
Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m): 61.3
Testing:
Rate (lpm): 22.8
Time (minute): 120.0
Level End (m): 67.1
Drawdown (m): 54.9
Rec'd intake (m): 61.3
Rec'd Rate (lpm):

Laboratory:
pH (pH unit):
Cond. (µS/cm):
TDS:
Sodium:
Potassium:
Calcium:
Magnesium:
Carbonate:
Bicarbonate:
Aluminium:
Sulphate:
Chloride:
Fluoride:
Iron:
TOC:
Silica:
COD:
SAR:
TKN:
Nitrate:
Selenium:
Sodium:
Nitrite:
Molybdenum:
Vanadium:
Zinc:
Hydroxide:
Arsenic:
Total Hardness:
Manganese:
Phosphate:
Ion Balance:
Amm. Nitrogen:
Total Phosphate:
Total Alkalinity:
Lead:
Nitrate&Nitrile N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

 printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

<table>
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<tr>
<th>Completed Depth (m)</th>
<th>NPWL (m): Verified NPWL (m): Abandonment:</th>
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<tbody>
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<table>
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<tbody>
<tr>
<td><strong>Type:</strong> Depth (m): Bottom (m):</td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Seal Type: from (m): to</td>
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<tr>
<td><strong>Type:</strong> OD (mm): Thickness (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<td>Perforated How: from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<th>Screen:</th>
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<td>from (m): to Size:</td>
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<th>Open Hole: from (m): to</th>
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<tr>
<th>Pump: Model: Intake (m):</th>
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<tr>
<th>Testing: Rate (lpm): Time (minute):</th>
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<tr>
<td>Level End (m): Drawdown (m): Rec'd Rate (lpm):</td>
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<tbody>
<tr>
<td>pH (pH unit): COD Mercury</td>
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<tr>
<td>Cond. (µS/cm): SAR Nickel</td>
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<tr>
<td>TDS: TKN Selenium</td>
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<tr>
<td>Sodium: Nitrate Strontium</td>
</tr>
<tr>
<td>Potassium: Nitrite Molybdenum</td>
</tr>
<tr>
<td>Calcium: TN Vanadium</td>
</tr>
<tr>
<td>Magnesium: TC Zinc</td>
</tr>
<tr>
<td>Carbonate: DIC Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate: Arsenic Total Hardness</td>
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<tr>
<td>Aluminum: Barium Manganese</td>
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<tr>
<td>Sulphate: Beryllium Phosphate</td>
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<td>Chloride: Cadmium Ion Balance</td>
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<td>Fluoride: Chromium Amm. Nitrogen</td>
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<td>Iron: Cobalt Total Phosphate</td>
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<td>TOC: Copper Total Alkalinity</td>
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<tr>
<td>Silicon: Lead Nitrate&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevations

<table>
<thead>
<tr>
<th>Depth (BGL) (AMSL) (m)</th>
<th>lithologic description</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Lithologic Information Available</th>
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</thead>
</table>

### Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Water Well Positioned by PFRA in 10TM NAD 27</th>
<th>Remarks:</th>
</tr>
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<tbody>
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<td>Printed on 2/20/98</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
<th>Gamma Log: No</th>
<th>Storativity:</th>
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<tbody>
<tr>
<td>Aquifer Test: No</td>
<td>Project: Database: 1.000H</td>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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</tbody>
</table>

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 30.5 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS: TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **DIC:** Hydroxide
- **Carbonate:** Bicarbonate
- **Arsenic:** Total Hardness
- **Barium:** Total Phosphate
- **Beryllium:** Phosphate
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate&Nitrite

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(No Lithologic Information Available)</td>
</tr>
</tbody>
</table>

**Well Number 07741**
- **Well Owner:** Hart, Paul
- **Elevation (AMSL) (m):** 783
- **AEP:** 364614
- **Date Started:**
- **Date Completed:**
- **Licence No.:**
- **Easting:** 43,802.77
- **Northing:** 5,935,252.00
- **Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 62.5 (m)
- **NPWL (m):** 18.3
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 39.0  Bottom (m): 39.0
- **OD (mm):** 114.3  **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 38.7

**Liner:**

- **Type:**
- **OD (mm):** 88.9  **Thickness (mm):** 0.1
- **Top (m):** 36.6  **Bottom (m):** 62.5

**Perforated How:** Machine

- **from (m):** 39.0  to 61.0  **Size:**
- **from (m):** to  **Size:**
- **from (m):** to  **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to  **Size:**
- **from (m):** to  **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 36.6
- **Testing:**
- **Rate (lpm):** 36.5  **Time (minute):** 120.0
- **Level End (m):** 36.6  **Drawdown (m):** 18.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 36.5

**Laboratory:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>COD</th>
<th>Mercury</th>
<th>pH (pH unit)</th>
<th>SAR</th>
<th>Nickel</th>
<th>TDS</th>
<th>KTN</th>
<th>Selenium</th>
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</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 07743**

**Well Owner:** Moore, Charlie  
Drilling Contractor: McGinn, Gerald Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

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<th>NPWL (m)</th>
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<td>50.3 (m)</td>
<td>14.6</td>
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**Abandonment:**

- **Type:** Plastic  
- **Depth:** 28.7 (m)  
- **Bottom:** 28.7 (m)  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

**Seal Type:** Formation Seal  
- **from (m):** to 28.7

### Liner:
- **Type:** Plastic  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 27.1  
- **Bottom (m):** 49.4

**Perforated How:** Saw  
- **from (m):** to 27.1  
- **Size:**
- **from (m):** to 49.4
- **Size:**
- **from (m):** to Size:

### Screen:
- **Material:** Plastic  
- **OD (mm):**
- **Thickness (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** 34.2  
- **Time (minute):** 420.0

- **Level End (m):** 22.9  
- **Drawdown (m):** 8.2  
- **Rec’d Rate (lpm):** 31.9  
- **Rec’d intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation (BGL) (AMSL)

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<td>14.6</td>
<td>768.8 Sand</td>
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<td>19.8</td>
<td>763.6 Clay &amp; Gravel Mixed</td>
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<td>20.7</td>
<td>762.7 Clay Blue</td>
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<td>21.3</td>
<td>762.1 Shale Sandy Gray</td>
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<td>21.9</td>
<td>761.5 Shale Green</td>
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<td>22.9</td>
<td>760.6 Shale Sandy Gray</td>
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<tr>
<td>24.1</td>
<td>759.4 Shale &amp; Coal Brown</td>
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<td>25.3</td>
<td>758.1 Shale Gray</td>
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<td>27.1</td>
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<td>31.1</td>
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<td>35.7</td>
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<td>37.2</td>
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### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 07744

**Well Owner:** Weibe, Dwayne

**Drilling Contractor:** Westar Water Well Drilling Ltd.

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<th>General:</th>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
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<tr>
<td><strong>Completed Depth:</strong> 62.5 (m)</td>
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<td><strong>Intake:</strong> 38.1</td>
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<td><strong>Intake (m):</strong> 38.1</td>
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<td><strong>Level End (m):</strong> 61.6</td>
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<tr>
<td><strong>Drawdown (m):</strong> 43.9</td>
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<td><strong>Rec’d Rate (lpm):</strong> 36.5</td>
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<td><strong>Cond. (µS/cm):</strong></td>
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<td><strong>TOC:</strong></td>
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<td><strong>Silica:</strong></td>
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| Electric Log: No |
| Gamma Log: No |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

---

**Lithologic Description**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### NE 24-053-03 W5M

**Well Owner:** Henkel, Dean  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Well Number:** 07745

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<td>Date Started:</td>
<td>22 Sep 93</td>
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<tr>
<td>Date Completed:</td>
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#### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 82.0 (m)  
  - NPWL (m): 57.0  
  - Verified NPWL (m):  
- **Abandonment:**  

#### Casing:
- **Type:** Plastic  
- **Depth (m):** 51.2  
  - Bottom (m): 51.2  
- **OD (mm):** 152.4  
  - Thickness (mm): 0.1  
- **Seal Type:** Shale Trap & Bentonite  
  - from (m): to 51.2

#### Liner:
- **Type:**  
- **OD (mm):** 114.3  
  - Thickness (mm): 0.1  
- **Top (m):** 50.0  
  - Bottom (m): 82.0  
- **Perforated How:** Saw  
  - from (m): 67.1 to 79.2

#### Screen:
- **Material:**  
- **OD (mm):**  
  - from (m): to  
  - from (m): to  
- **Open Hole:**  
  - from (m): to

#### Pump:
- **Model:**  
  - Intake (m): 82.0

#### Testing:
- **Rate (lpm):** 68.4  
  - Time (minute): 180.0  
- **Level End (m):** 61.0  
  - Drawdown (m): 4.0  
- **Rec'd intake (m):** 67.1  
  - Rec'd Rate (lpm): 45.6

#### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
  - Nitrate & Nitrite N

#### Electric Log:
- **No**  
- **Transmissivity:** m²/day

#### Gamma Log:
- **No**  
- **Storativity:**

#### Aquifer Test:
- **No**  
- **Database:** 1.000H

#### AEP Data:
- **Yes**  
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**(printed on 2/20/98)**
NE 24-053-03 W5M

Well Owner: Jensen, Jerry
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 07746

Elevation (AMSL) (m): 781
AEP: 372470
Licence No.: Easting: 46,143.01
Date Started: 22 Jul 93
Northing: 5,935,834.00
Date Completed: 23 Jul 93

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Laboratory:

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 27.4 m
- **NPWL (m):** 0
- **Verified NPWL (m):** 0
- **Abandonment:** Puddled Clay 27 Oct 95

### Casing:
- **Type:**
  - **Depth (m):**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Seal Type:**
  - **from (m):** to

### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
  - **Perforated How:**
  - **from (m):** to
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27
NE 24-053-03 W5M

Well Owner: Knault, Irvin
Drilling Contractor: Cobob Pumps And Services Ltd.

Well Number 07748

Elevation (AMSL) (m): 782
AEP: 418226
Licence No.: Easting: 46,494.44
Date Started: 25 Oct 95
Nothing: 5,936,472.00
Date Completed: 27 Oct 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 54.9 (m)
NPWL (m): 29.9 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.6 Bottom (m): 36.6
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): 30.5 to 36.6

Liner:
Type: Plastic
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 33.5 Bottom (m): 54.9

Perforated How: Machine
from (m): 39.6 to 51.8 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 39.6

Testing:
Rate (lpm): 54.7 Time (minute): 120.0
Level End (m): 39.6 Drawdown (m): 9.8
Rec'd Rate (lpm): Rec'd intake (m):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Ne 24-053-03 W5M**

**Well Owner:** Maclean, John

**Drilling Contractor:** Summer’s Drilling Ltd.

**Elevation (AMSL) (m):** 781  
**AEP:** 369761  
**Licence No.:**  
**Date Started:** 29 Aug 77  
**Date Completed:** 01 Sep 77

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</table>

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**NE 24-053-03 W5M**

**Well Owner:** Thomas, W.L.  
**Drilling Contractor:** Unknown Driller

---

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic

**Completed Depth:** 41.2 (m)  
**NPWL (m):** 23.8  
**Verified NPWL (m):** 45,851.87  
**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**
- **Material:**
- **OD (mm):** from (m): to  
- **Thickness (mm):**  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

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<td>Lead</td>
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**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 07750**

**Elevation (AMSL) (m):** 786  
**AEP:** 369650  
**Date Started:**  
**Easting:** 45,851.87  
**Northing:** 5,936,391.50  
**Date Completed:**

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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
NW 24-053-03 W5M

Well Owner: Litousky, William G
Drilling Contractor: Grove Drilling Ltd

Well Number: 07751

Elevation (AMSL) (m): 781
AEP: 353911
 Licence No.: 45,490.38
Date Started: 17 Apr 80
NORTHING: 5,936,625.50
Date Completed: 18 Apr 80

**Well Information**

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**Casing:**

| Type: Steel |
| Depth (m): 55.5 | Thickness (mm): 0.0 |
| OD (mm): | |
| Seal Type: Driven |
| from (m): to |

**Liner:**

| Type: |
| OD (mm): |
| Top (m): Bottom (m): |
| Perforated from (m): to Size: |
| from (m): to Size: |
| from (m): to Size: |

**Screen:**

| Material: |
| OD (mm): |
| from (m): to Size: |
| from (m): to Size: |

**Open Hole:**

| from (m): to |

**Pump:**

| Model: | Intake (m): |
| Rate (lpm): 31.9 | Time (minute): 420.0 |
| Level End (m): 53.3 | Drawdown (m): 50.0 |
| Rec'd intake (m): | Rec'd Rate (lpm): |

**Laboratory:**

| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
NW 24-053-03 W5M

Well Owner: Robinson, Kelly
Drilling Contractor: Big Iron Drilling Ltd.

Well Number: 07752
Elevation (AMSL) (m): 783
AEP: 382571
Licence No.: Easting: 45,293.35
Date Started: 04 May 94
Northing: 5,936,342.00
Date Completed: 10 May 94

General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic
Completed Depth: 54.9 (m)
NPWL (m): 27.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 50.0 Bottom (m): 50.0
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 50.0

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 48.8 Bottom (m): 54.9

Perforated How: Torch
from (m): 48.8 to 54.9 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Goulds 5g05 Intake (m): 54.9

Testing:
Rate (lpm): 54.7 Time (minute): 120.0
Level End (m): 54.9 Drawdown (m): 27.4
Rec'd intake (m): 48.8 Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N


c

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 24-053-03 W5M**

**Well Number:** 07753

**Well Owner:** Wentworth, Bill

**Drilling Contractor:** Kap'S Drilling Ltd.

**Elevation (AMSL) (m):** 784

**AEP:** 365318

**Licence No.:** Easting: 45,593.30

**Date Started:** 24 Jun 92

**Date Completed:** 26 Jun 92

**Well Use:** Domestic

**Drilling Method:** Rotary

**Completed Depth:** 80.8 (m)

**NPWL (m):** 50.3

**Veriﬁed NPWL (m):**

**Abandonment:**

**Type:** Plastic

**Depth (m):** 56.4

**Bottom (m):** 56.4

**OD (mm):** 141.2

**Thickness (mm):** 0.2

**Seal Type:** Driven

**from (m):** to 56.4

**Type:** Plastic

**Depth (m):** 88.9

**Bottom (m):** 80.8

**OD (mm):** 55.8

**Thickness (mm):** 0.1

**Perforated How:** Saw

**from (m):** to 79.2

**Size:**

**from (m):** to Size:

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to Size:

**from (m):** to Size:

**Open Hole:**

**from (m):** to

**Pump:** Sub

**Model:** Berkeley

**Intake (m):** 55.8

**Testing:**

**Rate (lpm):** 18.2

**Time (minute):** 480.0

**Level End (m):** 55.8

**Drawdown (m):** 5.5

**Rec'd intake (m):**

**Rec'd Rate (lpm):** 18.2

**Laboratory:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Chemistry
- **Well Use:** Domestic
- **Drilling Contractor:** Unknown Driller

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#### Lithologic Description
- (No Lithologic Information Available)

### Well Use:
- Domestic
- Chemistry

### Laboratory:

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### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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*Chemical Constituents are in mg/l (ppm). Except as noted.*

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*printed on 2/20/98*
**SE 24-053-03 W5M**

**Well Owner:** Burgess, Darrell C.

**Drilling Contractor:** Unknown Driller

**Well Number:** 07755

**Elevation (AMSL) (m):** 776

**AEP:** 369021

**Date Started:**

**Northing:** 5,935,306.50

**Date Completed:**

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**Laboratory:**

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<td>TOC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Printed on: 2/20/98
SE 24-053-03 W5M

Well Owner: **Burgess, Darryle**

Drilling Contractor: **Rodco Drilling**

**Elevation (AMSL) (m): 781**

**Licence No.:** Easting: 46,230.23

**Date Started:** Northing: 5,935,648.50

**Date Completed:** 17 Aug 92

---

**General:**

Type of Work: New Well

Drilling Method: Rotary

Well Use: Domestic

Completed Depth: 40.8 (m)

NPWL (m): 18.3

Verified NPWL (m):

Abandonment:

**Casing:**

Type: Plastic

Depth (m): 31.1

Bottom (m): 31.1

OD (mm): 152.4

Thickness (mm): 0.1

Seal Type: Driven

from (m): to 31.1

**Liner:**

Type:

OD (mm): 114.3

Thickness (mm): 0.1

Top (m): 28.7

Bottom (m): 40.8

Perforated How: Machine

from (m): 34.8 to 40.8

Size:

from (m): to Size:

from (m): to Size:

**Screen:**

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

**Open Hole:**

from (m):

**Pump:**

Model: Intake (m): 36.6

**Testing:**

Rate (lpm): 22.8

Time (minute): 360.0

Level End (m): 12.2

Rec’d intake (m): Size:

Rec’d Rate (lpm): 22.8

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**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database: 1.000H**

**AEP Data:** Yes

**Well Field Verified:** No
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 51.5 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Galvanized Steel
- **Depth (m):** 30.5
- **Bottom (m):** 30.5
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Formation Seal
- **from (m):** to 30.5

### Liner:

- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):** Bottom (m): 50.6

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

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- **Level End (m):** 24.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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<tr>
<td>Lead</td>
<td></td>
</tr>
<tr>
<td>COD</td>
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</tr>
<tr>
<td>SAR</td>
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<tr>
<td>TKN</td>
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<tr>
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<td></td>
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<tr>
<td>Molybdenum</td>
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<tr>
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<tr>
<td>Zinc</td>
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<tr>
<td>Hydroxide</td>
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<tr>
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<tr>
<td>Total Phosphate</td>
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<tr>
<td>Ion Balance</td>
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<tr>
<td>Amm. Nitrogen</td>
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<tr>
<td>Cobalt</td>
<td></td>
</tr>
<tr>
<td>Copper</td>
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<tr>
<td>Total Alkalinity</td>
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</tr>
<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>

### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number 07758

SE 24-053-03 W5M

Well Owner: Donadt, R
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 772
Licence No.: 36763
Date Started:
Nortthing: 5,935,217.00
Date Completed:

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 30.8 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- Bottom (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m):
- to

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m):
- to
- Size:
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit):
- COD:
- Mercury:
- SAR:
- Nickel:
- TDS:
- TKN:
- Selenium:
- Sodium:
- Nitrate:
- Strontium:
- Potassium:
- Nitrite:
- Molybdenum:
- Calcium:
- TN:
- Vanadium:
- Magnesium:
- TC:
- Zinc:
- Carbonate:
- DIC:
- Hydroxide:
- Bicarbonate:
- Arsenic:
- Total Hardness:
- Aluminium:
- Barium:
- Manganese:
- Sulphate:
- Beryllium:
- Phosphorus:
- Chloride:
- Cadmium:
- Ion Balance:
- Fluoride:
- Chromium:
- Amm. Nitrogen:
- Iron:
- Cobalt:
- Total Phosphate:
- TOC:
- Copper:
- Total Alkalinity:
- Silicona:
- Lead:
- Nitrate & Nitrite N:

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Project: 1.000H
AEP Data: Yes
Well Field Verified: No

Database: 1.000H

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No

Printed on 2/20/98
SE 24-053-03 W5M

Well Owner: Durnford, Fred
Drilling Contractor: D&D Water Well Drilling & Services

Well Number 07759

Elevation (AMSL) (m): 781
AEP: 402548
Licence No.: 46,037.98
Date Started: 13 Mar 95
Easting: 5,935,543.50
Date Completed: 14 Mar 95
Northing: 46,037.98

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 64.6 (m)
NPWL (m): 34.1
Abandonment:

Casing:
Type: Plastic
Depth (m): 36.3
Bottom (m): 36.3
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): to 36.3

Liner:
Type: Plastic
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 35.0
Bottom (m): 64.6
Perforated How: Saw
from (m): to 64.0
Size:
from (m): to 36.3
Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to Size:

Pump:
Model:
Intake (m): 64.6
Rec'd Rate (lpm): 82.1
Time (minute): 120.0
Rec'd intake (m): 45.7
Level End (m): 11.6
Rec'd Rate (lpm): 22.8

Lab:
pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminium: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SE 24-053-03 W5M**

**Well Owner:** Laycock, Rick  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 781  
**AEP:** 406441  
**Licence No.:** Easting: 46,138.13  
**Date Started:** 28 Apr 95  
**Northing:** 5,935,841.50  
**Date Completed:** 01 May 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 70.4 m  
- **NPWL (m):** 29.6  
- **Abandonment:**
  - **Type:** Plastic  
  - **Depth (m):** 47.9  
  - **Bottom (m):** 47.9  
  - **OD (mm):** 152.4  
  - ** Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **Drilling Contractor:** Northing:
  - **from (m):** to 47.9

### Well Use:
- **NPWL (m):**  
- **Verified NPWL (m):**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 47.9  
- **Bottom (m):** 47.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite

### Liner:
- **Type:** Plastic  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 46.3  
- **Bottom (m):** 70.4

### Screen:
- **Material:**
  - **OD (mm):**  
  - **from (m):** to  
  - **Thickness (mm):**  
  - **from (m):** to  
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 70.1

### Testing:
- **Rate (lpm):** 73.0  
- **Time (minute):** 120.0  
- **Level End (m):** 37.8  
- **Drawdown (m):** 8.2  
- **Rec'd intake (m):** 36.6  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27 printed on 2/20/98**
### General:
- **Type of Work:** Old Well-Abandoned
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 46,205.85 m
- **NPWL (m):**
- **Abandonment:** Bentonite Product 20 Feb 95

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Nitrile:**
- **Molybdenum:**
- **Nickel:**
- **Manganese:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **Sodium:**
- **Magnesium:**
- **Barium:**
- **Calcium:**
- **Vanadium:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by Mow-Tech in 10TM NAD 27
SE 24-053-03 W5M

Well Owner: Madore, Robert
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 780
AEP: 401590
Licence No.: 46,142.74
Date Started: 15 Feb 95
Nortthing: 5,935,395.00
Date Completed: 17 Feb 95

---

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

**Casing:**
- Type: Plastic
- Depth (m): 38.1
- Bottom (m): 38.1
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentonite
- from (m): 35.0 to 38.1

**Liner:**
- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 36.6
- Bottom (m): 64.0

**Screen:**
- Material: Plastic
- from (m): to
- from (m): to
- from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- Model: Gould
- Intake (m): 48.8

**Testing:**
- Rate (lpm): 22.8
- Time (minute): 120.0
- Level End (m): 48.8
- Drawdown (m): 8.5
- Rec'd intake (m): 47.2
- Rec'd Rate (lpm): 18.2

---

**Depth Elevation (BGL) (AMSL) Lithologic Description**

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<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5</td>
<td>774.4</td>
<td>Clay Brown</td>
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<tr>
<td>10.4</td>
<td>769.5</td>
<td>Clay Gray</td>
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<td>12.8</td>
<td>767.1</td>
<td>Sand &amp; Gravel Coarse Grained</td>
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<tr>
<td>16.1</td>
<td>763.7</td>
<td>Clay Gray</td>
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<tr>
<td>18.3</td>
<td>761.6</td>
<td>Sand &amp; Gravel Coarse Grained</td>
</tr>
<tr>
<td>23.2</td>
<td>756.7</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>24.1</td>
<td>755.8</td>
<td>Gravel</td>
</tr>
<tr>
<td>25.3</td>
<td>754.6</td>
<td>Clay Gray</td>
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<tr>
<td>36.9</td>
<td>743.0</td>
<td>Sandstone</td>
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<tr>
<td>42.4</td>
<td>737.5</td>
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</tr>
<tr>
<td>51.2</td>
<td>728.7</td>
<td>Sandstone &amp; Coal</td>
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<tr>
<td>54.0</td>
<td>725.9</td>
<td>Shale Gray</td>
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<tr>
<td>61.9</td>
<td>718.0</td>
<td>Sandstone</td>
</tr>
<tr>
<td>64.0</td>
<td>715.9</td>
<td>Shale Gray</td>
</tr>
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</table>

---

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:**
- Project: 1.000H
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- AEP Data: Yes
- Well Field Verified: No

---

printed on 2/20/98
**SE 24-053-03 W5M**

**Well Owner:** Martynek, George  
**Drilling Contractor:** Unknown Driller

**General:**
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** (m)  
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:**  
- **from (m):** to

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**  
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Barium:** Manganese  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate & Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depths:**
- **Elevation (BGL) (m):**  
- **Lithologic Description:** (No Lithologic Information Available)

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 2/20/98
**SE 24-053-03 W5M**

**Well Owner:** Muehldorfer, Anna  
**Drilling Contractor:** D&D Water Well Drilling & Services  

**Elevation (AMSL) (m):** 781  
**AEP:** 386258  
**Licence No.:**  
**Date Started:** 10 Jun 94  
**Easting:** 46,367.21  
**Date Completed:** 14 Jun 94  
**Northing:** 5,935,721.00

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<td>Lithologic Description</td>
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<td>(m)</td>
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<td>Well Use: Domestic</td>
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<td>774.8</td>
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<tr>
<td>Completed Depth 46.9 (m)</td>
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<td>Bottom (m): 36.6</td>
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<tr>
<td>OD (mm): 114.3</td>
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<td>760.8</td>
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<td>Thickness (mm): 0.1</td>
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<td>Top (m): 35.0</td>
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<td>to 38.7</td>
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<tr>
<td>to</td>
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<td>from (m):</td>
<td>25.6</td>
<td>755.6</td>
</tr>
<tr>
<td>to</td>
<td>26.8</td>
<td>754.4</td>
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<td>33.2</td>
<td>748.0</td>
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<tr>
<td>from (m):</td>
<td>34.8</td>
<td>746.5</td>
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<td>to 38.7</td>
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<td>Rate (lpm):</td>
<td>6.4</td>
<td>774.8</td>
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<td>Time (minute):</td>
<td>20.4</td>
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<td>Level End (m):</td>
<td>25.6</td>
<td>755.6</td>
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<tr>
<td>Drawdown (m):</td>
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<td>754.4</td>
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<tr>
<td>from (m):</td>
<td>33.2</td>
<td>748.0</td>
</tr>
<tr>
<td>to 46.9</td>
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<table>
<thead>
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<tr>
<td>pH (pH unit):</td>
<td>6.4</td>
<td>774.8</td>
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<td>SAR</td>
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<td>755.6</td>
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<td>TKN</td>
<td>26.8</td>
<td>754.4</td>
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<tr>
<td>Nitrate</td>
<td>33.2</td>
<td>748.0</td>
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<td>Strontium</td>
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<td>Molybdenum</td>
<td>38.7</td>
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<td>Zinc</td>
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<td>Hydroxide</td>
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<tr>
<td>Total Hardness</td>
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<tr>
<td>Lead</td>
<td>46.9</td>
<td>734.3</td>
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</table>

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Well Field Verified:** Yes
**SE 24-053-03 W5M**

**Well Number 07765**

**Well Owner:** Stephanuk, L.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 778

**Licence No.:** 415528

**Date Started:**

**Date Completed:**

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<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tr>
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<td>(BGL) (AMSL) (m) (m)</td>
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<td>Drilling Method: Unknown</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth (m)</td>
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<tr>
<td>NPWL (m):</td>
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<td></td>
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<tr>
<td>Verified NPWL (m):</td>
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<td></td>
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<tr>
<td>Abandonment: Bentonite Product 10 Mar 95</td>
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<td></td>
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</table>

| Casing: | |
|---------|-----------------
| Type: | |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: | from (m): to |

| Liner: | |
|---------|-----------------
| Type: | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | from (m): to |
| from (m): to | Size: |
| from (m): to | Size: |
| | |

| Screen: | |
|---------|-----------------
| Material: | |
| OD (mm): | from (m): to |
| from (m): to | Size: |
| from (m): to | Size: |

| Open Hole: | |
|------------|-----------------
| from (m): | to |

| Pump: | |
|-------|-----------------
| Model: | Intake (m): |
| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

| Laboratory: | |
|-------------|-----------------
| pH (pH unit): | COD Mercury |
| Cond. (µS/cm): | SAR Nickel |
| TDS | TKN Selenium |
| Sodium: Nitrate | Strontium |
| Potassium: Nitrite | Molybdenum |
| Calcium | TN Vanadium |
| Magnesium: TC | Zinc |
| Carbonate: DIC | Hydroxide |
| Bicarbonate: Arsenic | Total Hardness |
| Aluminium: Barium | Manganese |
| Sulphate | Beryllium Phosphate |
| Chloride: Cadmium | Ion Balance |
| Fluoride: Chromium | Amm. Nitrogen |
| Iron: Cobalt | Total Phosphate |
| TOC | Copper Total Alkalinity |
| TOC | Copper |
| TOC | Copper |
| TOC | Copper |
| Silica: Lead | Nitrate&Nitrite N |

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | |
| Project: | Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on* 2/20/98
Well Owner: Stephanuk, L.
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 777
AEP: 401591
Licence No.: 777
Easting: 45,835.38
Date Started: 07 Mar 95
Northing: 5,935,424.00
Date Completed: 10 Mar 95

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 61.0 (m)
NPWL (m): 46.9
Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 41.2
Bottom (m): 41.2
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Shale Trap & Benton
from (m): 38.1 to 41.2

Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 36.6
Bottom (m): 61.0

Perforated How: Machine
from (m): 54.9 to 61.0
Size:
from (m): to
Size:
from (m): to
Size:

Screen:
Material:
OD (mm):
from (m): to
Size:
from (m): to
Size:

Open Hole:
from (m): to

Pump:
Model: Gould 5g05422
Intake (m): 54.9

Testing:
Rate (lpm): 27.4
Time (minute): 120.0
Level End (m): 54.9
Drawdown (m): 7.9
Rec'd Rate (lpm): 22.8
Rec'd intake (m):

Laboratory:
pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminum
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrilot
Cadmium
Cadmium
Amm. Nitrogen
Barium
Manganese
Beryllium
Phosphate
Cadium
Selenium
Sodium
Strontium
Magnesium
Vanadium
Molybdenum
Nickel

Arsenic
Mercury
Total Hardness
Total Phosphate
Total Alkalinity
Nitrile
Nitrate

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
SW 24-053-03 W5M

Well Owner: Henry, Jensey
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 07767

Elevation (AMSL) (m): 785
AEP: 352505
Licence No.: Easting: 45262.59
Date Started: 28 Sep 90
Northing: 5635896.00
Date Completed: 01 Oct 90

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 73.2 (m)
NPWL (m): 47.2 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 54.9 Bottom (m): 54.9
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 54.9

Liner:
Type:%
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 51.8 Bottom (m): 72.2
Perforated How: Machine
from (m): 51.8 to 72.2 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):
Testing:
Rate (lpm): 16.0 Time (minute): 420.0
Level End (m): 54.9 Drawdown (m): 7.6
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

print on 2/20/98
**Well Number: 07768**

**Well Owner:** Huroal, B

**Drilling Contractor:** Unknown Driller

**Well Use:** Domestic

**Licence No.:** 45,369.44

**Date Started:**

**Date Completed:**

**Elevation (AMSL) (m):** 783

**AEP:** 354794

**Easting:** 45,369.44

**Northing:** 5,935,684.00

---

**General:**

- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 41.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **Open Hole:** from (m): to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

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<th>Mercury</th>
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<td>SAR</td>
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<td>TKN</td>
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<td>TOC</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:** 1.000H

**Project:**

**AEP Data:** Yes

**Well Field Verified:** No

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**AEP Data:** Yes
Well Owner: Law, Steve
Drilling Contractor: Unknown Driller

Well Number 07769

Elevation (AMSL) (m): 778
AEP: 354526
Easting: 45,473.25
Northing: 5,935,350.00

General:
Type of Work: Chemistry
Well Use: Domestic
Completed Depth: 61.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.4 m
- **NPWL (m):** 23.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 32.0
- **Bottom (m):** 32.0
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 32.0

### Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 29.6
- **Bottom (m):** 58.5
- **Perforated How:** Saw
- **from (m):** to 58.5
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 11.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### Chemical Constituents are in mg/I (ppm). Except as noted.

### Well Number: 07770
- **Well Owner:** Steeves, Fred
- **Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

### Well Number: SW 24-053-03 W5M
- **Elevation (AMSL) (m):** 781
- **AEP:** 372469
- **Date Started:** 10 Nov 93
- **Easting:** 45,481.48
- **Date Completed:** 12 Nov 93
- **Northing:** 5,935,701.50

### Depth Elevation (BGL) (AMSL):
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<th>(m)</th>
<th>Lithologic Description</th>
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<td>7.6</td>
<td>773.4</td>
<td>Clay Yellow</td>
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<td>16.5</td>
<td>764.6</td>
<td>Clay Blue</td>
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<td>21.6</td>
<td>759.4</td>
<td>Gravel</td>
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<td>22.3</td>
<td>758.8</td>
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<td>Shale Gray</td>
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<td>33.2</td>
<td>747.8</td>
<td>Shale &amp; Coal Brown</td>
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<td>Shale &amp; Coal Brown</td>
</tr>
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<td>46.6</td>
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<td>Shale Soft Gray</td>
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<td>47.2</td>
<td>733.8</td>
<td>Shale &amp; Coal Brown</td>
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<tr>
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<td>732.9</td>
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<td>48.8</td>
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<td>Shale &amp; Coal Brown</td>
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<tr>
<td>50.9</td>
<td>730.2</td>
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<td>51.5</td>
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<tr>
<td>52.7</td>
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<td>55.5</td>
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<td>Shale Sandy Gray</td>
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<td>59.4</td>
<td>721.6</td>
<td>Shale Green</td>
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</tbody>
</table>

### Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 70.1 m
  - **NPWL (m):** 16.8
  - **Verified NPWL (m):**
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** Bentonite Chips/Tabl
    - **from (m):** 27.4 to 30.5

## Liner:
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
  - **Top (m):** 64.0
  - **Bottom (m):** 70.1
- **Perforated How:** Machine
  - **from (m):** 33.5 to 39.6
  - **Size:**
  - **to (m):** Size:
  - **from (m):** Size:
  - **to (m):** Size:

## Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **from (m):** to
    - **from (m):** to

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Intake (m):** 61.0
- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 61.0
- **Drawdown (m):** 44.2
- **Rec'd intake (m):** 64.0
- **Rec'd Rate (lpm):** 13.7

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Testing:
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**NW 28-053-03 W5M**

Well Owner: *Paul, Edith*

Drilling Contractor: *Midwest Water Well Ltd.*

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 41.8
- **Bottom (m):** 41.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): to 41.8

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 39.6
- **Bottom (m):** 54.9
- **Perforated How:** Torch
  - from (m): 42.7 to 54.9
  - Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 228.1
- **Time (minute):** 570.0
- **Level End (m):** 30.5
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 45.6

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**Depth Elevation**

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**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Nitrate:**
- **Nitrates:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TC:**
- **TOC:**
- **Silica:**
- **Barium:**
- **Sulfate:**
- **Boron:**
- **Fluoride:**
- **Iron:**
- **Manganese:**
- **Sulphate:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **Aluminum:**
- **Nitrate:**
- **Iron:**
- **Sulphate:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **Sulphate:**
- **Nitrates:**
- **Iron:**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 07774

**Well Owner:** Fuhr, Ken

Drilling Contractor: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 780

**Licence No.:** Easting: 40,501.74

**Date Started:** 21 Nov 89

**Date Completed:** 24 Nov 89

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 73.2 (m)
  - NPWL (m): 38.1
  - Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 54.6
- **Bottom (m):** 54.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 54.6

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 54.6
- **Bottom (m):** 72.2
- **Perforated How:** Torch
- **from (m):** to 72.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 45.7
- **Drawdown (m):** 7.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>Nitrate Nitrite N</td>
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- Chemical Constituents are in mg/l (ppm). Except as noted.

### Testing:

- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- Well Field Verified: No

### Water Well Positions by PFRA in 10TM NAD 27

*printed on 2/20/98*
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 61.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminium:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmum:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

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Water Well Positioned by PFRA in 10TM NAD 27

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printed on 2/20/98
**NE 01-053-04 W5M**

**Well Number:** 07782

**Well Owner:** Hart, Dave

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m):** 730

**AEP:** 382855

**Date Started:** 13 Jun 94

**Licence No.:** Easting: 36,615.63

**Cobob Pumps And Services Ltd.**

**Date Completed:** 16 Jun 94

**Northing:** 5,931,409.00

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**General:**

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<td>Drilling Method: Rotary</td>
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**Liner:**

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<td>from (m): to</td>
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**Open Hole:**

| from (m): |

**Pump:**

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**Laboratory:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

**Electric Log:** No **Transmissivity:** m³/day

**Gamma Log:** No **Storativity:**

**Aquifer Test:** No **Project:** Database: 1.000H

**AEP Data:** Yes **Well Field Verified:** No

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 6.1
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):**
- **to:** 36.6

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 48.8
- **Perforated How:** Machine
- **from (m):** 36.6
- **to:** 48.8
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:** Size:
- **from (m):**
- **to:** Size:

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 30.5

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 57.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Selenium:**
- **Nitrate:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
**NE 01-053-04 W5M**

**Well Owner:** Mcivor, John

**Drilling Contractor:** Unknown Driller

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 42.7 (m)

**Well Use:** Domestic

**NPWL (m):**

**Verified NPWL (m):**

**Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
  - **from (m):**
  - **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Open Hole:
- **from (m):**
  - **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
  - **Time (minute):**
- **Level End (m):**
  - **Drawdown (m):**
- **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
  - **COD:**
  - **SAR:**
  - **Nickel:**
- **TDS:**
  - **TKN:**
  - **Selenium:**
- **Sodium:**
  - **Nitrate:**
  - **Strontium:**
- **Potassium:**
  - **Nitrite:**
  - **Molybdenum:**
- **Calcium:**
  - **Total Hardness:**
  - **Vanadium:**
- **Magnesium:**
  - **TC:**
  - **Zinc:**
- **Carbonate:**
  - **DIC:**
  - **Hydroxide:**
- **Bicarbonate:**
  - **Arsenic:**
  - **Total Hardness:**
- **Aluminum:**
  - **Barium:**
  - **Manganese:**
- **Sulphate:**
  - **Beryllium:**
  - **Phosphate:**
- **Chloride:**
  - **Cadmium:**
  - **Ion Balance:**
- **Fluoride:**
  - **Chromium:**
  - **Amm. Nitrogen:**
- **Iron:**
  - **Cobalt:**
  - **Total Phosphate:**
- **TOC:**
  - **Copper:**
  - **Total Alkalinity:**
- **Silica:**
  - **Lead:**
  - **Nitrate&Nitrite N:**

### Lithologic Description:
- **(No Lithologic Information Available)**

### Electric Log:
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
  - **Database:** 1.000H
  - **AEP Data:** Yes
  - **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 07784**

**Elevation (AMSL) (m):** 730

**AEP:** 368634

**Licence No.:** Easting: 36,615.63

**Date Started:** Northing: 5,931,409.00

**Date Completed:**

**Printed on:** 2/20/98
**Well Number: 07785**

**Well Owner:** Seland, Larry  
**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Well Number:** NE 01-053-04 W5M

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<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>Bottom (m): 23.2</td>
<td>Clay Brown</td>
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<tr>
<td>Well Use: Domestic</td>
<td>OD (mm): 139.7</td>
<td>11.0</td>
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<tr>
<td>Completed Depth: 36.6 (m)</td>
<td>Thickness (mm): 0.1</td>
<td>23.2</td>
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<tr>
<td>NPWL (m): 12.2</td>
<td>Verified NPWL (m):</td>
<td>Clay &amp; Sand Gray</td>
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<tr>
<td>Abandonment:</td>
<td></td>
<td>25.9</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
<td>703.7</td>
</tr>
<tr>
<td>Type: Steel</td>
<td></td>
<td>Shale Gray</td>
</tr>
<tr>
<td>Depth (m): 23.2</td>
<td>Bottom (m): 23.2</td>
<td>26.2</td>
</tr>
<tr>
<td>OD (mm): 139.7</td>
<td>Thickness (mm): 0.1</td>
<td>703.4</td>
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<tr>
<td>Seal Type: Drive Shoe</td>
<td></td>
<td>Sandstone</td>
</tr>
<tr>
<td>from (m):</td>
<td>to 22.9</td>
<td>27.4</td>
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<tr>
<td>Liner:</td>
<td></td>
<td>702.2</td>
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<tr>
<td>Type:</td>
<td></td>
<td>Shale Gray</td>
</tr>
<tr>
<td>OD (mm): 114.3</td>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>Top (m): 18.3</td>
<td>Bottom (m): 36.6</td>
<td>699.8</td>
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<tr>
<td>Perforated How: Saw</td>
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<td>Siltstone</td>
</tr>
<tr>
<td>from (m): 24.4</td>
<td>to 36.6</td>
<td>33.5</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>696.1</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Shell Grey</td>
</tr>
<tr>
<td>Screen:</td>
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<td>35.4</td>
</tr>
<tr>
<td>Material:</td>
<td></td>
<td>694.3</td>
</tr>
<tr>
<td>OD (mm):</td>
<td></td>
<td>Shell &amp; Coal Brown</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>36.6</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Shell Grey</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>693.1</td>
</tr>
<tr>
<td>Open Hole:</td>
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<td>Shell Grey</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>692.2</td>
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<td>Pump: Gould</td>
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<td>Shell Grey</td>
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<tr>
<td>Model: 7g05422</td>
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<td>Shell Grey</td>
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<tr>
<td>Intake (m): 21.3</td>
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<td>Shell Grey</td>
</tr>
</tbody>
</table>

**Testing:**

| Rate (lpm): 54.7 | Time (minute): 420.0 |
| Rec'd Rate (lpm): 45.6 | Drawdown (m): 12.2 |
| Level End (m): 21.3 | }

**Laboratory:**

| pH (pH unit) | COD | Chemical Constituents are in mg/l (ppm). Except as noted. |
| Cond. (µS/cm) | SAR | |
| TDS | TKN | |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-053-04 W5M**

**Well Owner:** Sutherland, Anna  
**Drilling Contractor:** Rodco Drilling

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<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(BGL)</td>
<td>(AMSL)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Clay</strong></td>
<td>8.8</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>Clay Blue</strong></td>
<td>28.0</td>
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<tr>
<td><strong>Completed Depth:</strong> 39.6 (m)</td>
<td><strong>Shale</strong></td>
<td>37.2</td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 13.7</td>
<td><strong>37.8</strong></td>
<td>691.9</td>
</tr>
<tr>
<td><strong>Abandonment:</strong></td>
<td><strong>38.1</strong></td>
<td>691.5</td>
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<tr>
<td><strong>Type:</strong> Plastic</td>
<td><strong>38.7</strong></td>
<td>690.9</td>
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<tr>
<td><strong>Depth (m):</strong> 31.4</td>
<td><strong>39.6</strong></td>
<td>690.0</td>
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<tr>
<td><strong>Bottom (m):</strong> 31.4</td>
<td><strong>%</strong></td>
<td></td>
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<tr>
<td><strong>OD (mm):</strong> 152.4</td>
<td><strong>%</strong></td>
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<tr>
<td><strong>Thickneess (mm):</strong> 0.1</td>
<td><strong>%</strong></td>
<td></td>
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<tr>
<td><strong>Seal Type:</strong> Driven</td>
<td><strong>%</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>%</strong></td>
<td></td>
</tr>
</tbody>
</table>

| Liner | **%** | | |
| **Type:** | **%** | | |
| **OD (mm):** 114.3 | **%** | | |
| **Thickness (mm):** 0.1 | **%** | | |
| **Top (m):** 31.4 | **%** | | |
| **Bottom (m):** 38.7 | **%** | | |
| **Perforated How:** Machine | **%** | | |
| | **%** | | |

| Screen | **%** | | |
| **Material:** | **%** | | |
| | **%** | | |

| Open Hole | **%** | | |
| **from (m):** | **%** | | |
| | **%** | | |

| Pump | **%** | | |
| **Model:** | **%** | | |
| | **%** | | |

| Testing | **%** | | |
| **Rate (lpm):** 45.6 | **%** | | |
| **Time (minute):** 720.0 | **%** | | |
| **Level End (m):** 25.9 | **%** | | |
| **Rec'd intake (m):** | **%** | | |
| **Rec'd Rate (lpm):** | **%** | | |

| Laboratory | **%** | | |
| **pH (pH unit):** | **%** | | |
| **COD:** | **%** | | |
| **SAR:** | **%** | | |
| **TDS:** | **%** | | |
| **Sodium:** | **%** | | |
| **Nitrate:** | **%** | | |
| **Potassium:** | **%** | | |
| **Nitrite:** | **%** | | |
| **Calcium:** | **%** | | |
| **TN:** | **%** | | |
| **Magnesium:** | **%** | | |
| **TC:** | **%** | | |
| **Carbonate:** | **%** | | |
| **DIC:** | **%** | | |
| **Bicarbonate:** | **%** | | |
| **Arsenic:** | **%** | | |
| **Aluminum:** | **%** | | |
| **Barium:** | **%** | | |
| **Sulphate:** | **%** | | |
| **Beryllium:** | **%** | | |
| **Chloride:** | **%** | | |
| **Cadium:** | **%** | | |
| **Fluoride:** | **%** | | |
| **Chromium:** | **%** | | |
| **Iron:** | **%** | | |
| **Cobalt:** | **%** | | |
| **TOC:** | **%** | | |
| **Copper:** | **%** | | |
| **Silica:** | **%** | | |
| **Lead:** | **%** | | |
| **Chemical Constituents are in mg/l (ppm). Except as noted.** | | | |

| Electric Log | **%** | | |
| **No:** | **%** | | |
| | **%** | | |

| Gamma Log | **%** | | |
| **No:** | **%** | | |
| | **%** | | |

| Aquifer Test | **%** | | |
| **No:** | **%** | | |
| | **%** | | |

| Project | **%** | | |
| Database: 1.000H | **%** | | |

| AEP Data | **%** | | |
| **Yes:** | **%** | | |
| | **%** | | |

| Remarks | **%** | | |

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.6 m
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.2
- **Seal Type:** Driven
- **from (m):** to 36.6

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 36.3
- **Bottom (m):** 61.6
- **Perforated How:** Saw
- **from (m):** to 61.6
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 35.0

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 35.0
- **Rec'd Rate (lpm):** 31.9

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Manganese:**
- **Zinc:**
- **Bicarbonate:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Total Phosphate:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
**SE 01-053-04 W5M**  
**Well Number 07789**

**Well Owner:** Drever, J  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 729  
**AEP:** 356921  
**Date Started:**  
**Easting:** 36,709.56  
**Northing:** 5,930,632.50  
**Date Completed:**

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<th>Well Use: Domestic</th>
<th>Type of Work: Chemistry</th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>Date Started:</td>
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<tr>
<td>NPWL (m):</td>
<td>Date Completed:</td>
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<td>Verified NPWL (m):</td>
<td>Casing:</td>
</tr>
<tr>
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<td>Type:</td>
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<tr>
<td></td>
<td>Depth (m):</td>
</tr>
<tr>
<td></td>
<td>OD (mm):</td>
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<tr>
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<td>from (m): to</td>
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<td>Seal Type:</td>
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<td>Bottom (m):</td>
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<td>Thickness (mm):</td>
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<td>Liner:</td>
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<td>Type:</td>
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<td>OD (mm):</td>
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<td>Top (m):</td>
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<td>from (m): to</td>
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<td>to</td>
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<td>from (m): to</td>
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<td>Pum:</td>
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<td></td>
<td>Intake (m):</td>
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<td>Testing:</td>
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<td></td>
<td>Rate (lpm):</td>
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<tr>
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<td>Time (minute):</td>
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<td>Level End (m):</td>
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<td>Drawdown (m):</td>
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<td>Rec’d intake (m):</td>
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<td>Rec’d Rate (lpm):</td>
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**Well Use:** Domestic  
**Type of Work:** Chemistry  
**Drilling Method:** Not Applicable  
**Well Use:** Domestic  
**Licence No.:**  
**Completed Depth:** 48.8 (m)  
**NPWL (m):**  
**Verified NPWL (m):**  
**Abandonment:**

<table>
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<tbody>
<tr>
<td>Depth (BGL) (AMSL) (m)</td>
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</table>

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<th>(No Lithologic Information Available)</th>
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<tbody>
<tr>
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</table>

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **from (m): to**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m): to**
  - **Size:**
  - **from (m): to**
  - **Size:**
  - **from (m): to**
  - **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m): to**
- **Size:**
- **from (m): to**
- **Size:**

**Open Hole:**

- **from (m): to**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
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<td>DIC</td>
<td>Hydroxide</td>
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<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<td>Amm. Nitrogen</td>
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<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- **Water Well Positioned by PFRA in 10TM NAD 27**

- **Electric Log:** No  
  - **Transmissivity:** m²/day
- **Gamma Log:** No  
  - **Storativity:**
- **Aquifer Test:** No  
  - **Project:**
  - **Database:** 1.000H
- **AEP Data:** Yes  
  - **Well Field Verified:** No

**printed on 2/20/98**
**SE 01-053-04 W5M**

**Well Owner:** Priority Mechanical Ltd  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 729  
**AEP:** 366586

**Date Started:** 08 Oct 92  
**Date Completed:** 08 Oct 92

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)  
**NPWL (m):** 7.9  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic  
- **Depth (m):** 37.8  
- **Bottom (m):** 37.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
  - **from (m):** to 37.8

**Liner:**
- **Type:** Plastic  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 36.6  
- **Bottom (m):** 61.0

**Perforated How:** Saw  
- **from (m):** 42.7 to 61.0  
- **Size:*
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

**Screen:**
- **Material:** Plastic  
- **OD (mm):**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m): 30.5

**Testing:**
- **Rate (lpm):** 68.4  
- **Time (minute):** 180.0  
- **Level End (m):** 24.4  
- **Drawdown (m):** 16.5  
- **Rec'd Rate (lpm):** Rec'd intake (m): 364.9

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphates:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth (BGL) (AMSL) (m):**

<table>
<thead>
<tr>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.3</td>
<td>724.9 Clay Yellow</td>
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<tr>
<td>35.4</td>
<td>693.8 Clay Sandy Blue</td>
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<tr>
<td>42.4</td>
<td>686.8 Shale Gray</td>
</tr>
<tr>
<td>43.0</td>
<td>686.2 Shale &amp; Coal Brown</td>
</tr>
<tr>
<td>54.3</td>
<td>674.9 Shale Gray</td>
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<tr>
<td>59.7</td>
<td>669.4 Sandstone</td>
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<tr>
<td>61.0</td>
<td>668.2 Shale Gray</td>
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</table>

**Electric Log:** No  
**Transmissivity:**  m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000 H

**AEP Data:** Yes  
**Well Field Verified:** No  

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printed on 2/20/98
### Well Information

**Well Number:** 07791  
**Well Owner:** Thomas, Denny  
**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

**Elevation (AMSL) (m):** 729  
**AEP:** 357762  
**Licence No.:** 08 Oct 86  
**Date Started:** 08 Oct 86  
**Date Completed:** 09 Oct 86

### General

<table>
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<tr>
<th>Type of Work:</th>
<th>New Well</th>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use:</td>
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<tr>
<td>Completed Depth</td>
<td>50.3 (m)</td>
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<td>NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
<td></td>
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</tbody>
</table>

### Casing

| Type: | Steel |
| Depth (m): | 45.7 |
| Bottom (m): | 45.7 |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Seal Type: | Drive Shoe |
| from (m): | to 45.7 |

### Liner

| Type: | |
| Top (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| from (m): | to Size: |
| from (m): | to Size: |
| from (m): | to Size: |

### Screen

| Material: | |
| OD (mm): | Thickness (mm): |
| from (m): | to Size: |
| from (m): | to Size: |

### Open Hole

| from (m): | to |

### Pump

| Model: | Intake (m): 45.7 |

### Testing

| Rate (lpm): 18.2 | Time (minute): 420.0 |
| Level End (m): 45.7 | Drawdown (m): 22.9 |
| Rec'd intake (m): | Rec'd Rate (lpm): 18.2 |

### Laboratory

| pH (pH unit) | COD |
| Cond. (µS/cm) | SAR |
| TDS | TKN |
| Sodium | Nitrate |
| Potassium | Nitrite |
| Calcium | Titan |
| Magnesium | Total Hardness |
| Carbonate | DIC |
| Bicarbonate | Arsenic |
| Aluminium | Barium |
| Sulphate | Beryllium |
| Chloride | Cadmium |
| Fluoride | Chromium |
| Iron | Cobalt |
| TOC | Copper |
| Silicon | Lead |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Electric Log: No  
Transmissivity: m²/day  
Gamma Log: No  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic & Stock
- **Completed Depth (m):** 34.0
- **NPWL (m):** 34.0
- **Verified NPWL (m):** 34.0
- **Abandonment:**

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<td><strong>from (m):</strong></td>
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<td>to</td>
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<td><strong>from (m):</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>from (m):</strong></td>
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<tr>
<td><strong>Level End (m):</strong></td>
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<td><strong>Drawdown (m):</strong></td>
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<tr>
<td><strong>Rec'd intake (m):</strong></td>
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<td><strong>Rec'd Rate (lpm):</strong></td>
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**Laboratory:**

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<td>Silica</td>
<td>Lead</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27
### NW 03-053-04 W5M

**Well Owner:** Bly, Elmer/C/O Wms Const  
**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

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<td><strong>Well Use:</strong> Domestic</td>
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<td><strong>Completed Depth:</strong> 33.5 (m)</td>
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<td><strong>NPWL (m):</strong> 1.2</td>
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<td><strong>Abandonment:</strong></td>
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<td><strong>Depth (m):</strong> 18.3</td>
<td><strong>Bottom (m):</strong> 18.3</td>
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<td><strong>from (m):</strong> to</td>
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<td><strong>from (m):</strong> to</td>
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<td><strong>from (m):</strong> to</td>
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<td><strong>Nitrates &amp; Nitrites:</strong></td>
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<tbody>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Elevation (AMSL) (m):** 726  
**Elevation (BGL) (m):** 26  
**Licence No.:** 376751  
**Date Started:** 18 Sep 93  
**Easting:** 32,181.60  
**Northing:** 5,931,511.50  
**Date Completed:** 18 Sep 93  
**Well Number:** 07793  
**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number:** 07794

**Well Owner:** Spotowski/C/O Wms Const Mgmt

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

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<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Elevation (AMSL) (m):</strong> 726</td>
<td>0.6 725.0 Clay Sandy</td>
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<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>Elevation (BGL) (m):</strong></td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td><strong>NPWL (m):</strong></td>
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<td><strong>Completed Depth:</strong> 33.5 (m)</td>
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<tr>
<td><strong>NPWL (m):</strong> 1.1</td>
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**Abandonment:**

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<thead>
<tr>
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<th>11.9 713.8 Clay &amp; Boulders Gray</th>
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<tr>
<td><strong>Type:</strong> Steel</td>
<td>13.1 712.5 Shale Light Gray</td>
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<td><strong>Depth (m):</strong> 18.0</td>
<td>13.4 712.2 Shale Fractured Brown</td>
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<tr>
<td><strong>OU (mm):</strong> 139.7</td>
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<td><strong>Thickness (mm):</strong> 0.1</td>
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**Seal Type:** Driven |

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<th>16.1 708.5 Shale Dark Gray</th>
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<td><strong>Type:</strong></td>
<td>16.8 708.9 Shale &amp; Coal Gray</td>
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<td><strong>Bottom (m):</strong> 32.6</td>
<td>26.5 699.1 Sand Gray</td>
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**Perforated How:** Machine |

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<td><strong>OD (mm):</strong></td>
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<td><strong>from (m):</strong> 21.0</td>
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<td><strong>to</strong> 32.6</td>
<td>32.9 692.7 Shale Gray</td>
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<td><strong>Thickness (mm):</strong></td>
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<td><strong>from (m):</strong></td>
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<td><strong>to</strong></td>
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**Open Hole:**

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<td><strong>Intake (m):</strong> 9.1</td>
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<td><strong>Time (minute):</strong> 120.0</td>
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<td><strong>Level End (m):</strong> 9.1</td>
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<td><strong>Drawdown (m):</strong> 7.9</td>
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<td><strong>Rec'd intake (m):</strong> 12.2</td>
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<td><strong>Rec'd Rate (lpm):</strong> 36.5</td>
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**Laboratory:**

| Chemical Constituents are in mg/l (ppm). Except as noted. |
|-------------|----------------|------------------|
| **pH (pH unit):** | COD | Mercury |
| **Cond. (µS/cm):** | SAR | Nickel |
| **TDS:** | TKN | Selenium |
| **Sodium:** | Nitrate | Strontium |
| **Potassium:** | Nitrite | Molybdenum |
| **Calcium:** | TN | Vanadium |
| **Magnesium:** | TC | Zinc |
| **Carbonate:** | DIC | Hydroxide |
| **Bicarbonate:** | Arsenic | Total Hardness |
| **Aluminium:** | Barium | Manganese |
| **Sulphate:** | Beryllium | Phosphate |
| **Chloride:** | Cadmium | Ion Balance |
| **Fluoride:** | Chromium | Amm. Nitrogen |
| **Iron:** | Cobalt | Total Phosphate |
| **TOC:** | Copper | Total Alkalinity |
| **Silica:** | Lead | Nitrate&Nitrite N |

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL):** 726

**Easting:** 32,364.72

**Date Started:** 17 Sep 93

**Nording:** 5,931,660.00

**Date Completed:** 17 Sep 93

**Well Number:** NW 03-053-04 W5M
**NW 03-053-04 W5M**

**Well Number: 07795**

**Well Owner:** Starko, Ed

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 726  
**AEP:** 360170

**Date Started:** 20 Aug 91  
**Easting:** 22,297.71  
**Licence No.:** 5,931,606.50  
**Date Completed:** 21 Aug 91

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** .5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 17.1  
  **Bottom (m):** 17.1
- **OD (mm):** 152.4  
  **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** 17.1

### Liner:

- **Type:**
- **OD (mm):** 114.3  
  **Thickness (mm):** 0.1
- **Top (m):** 12.5  
  **Bottom (m):** 35.7
- **Perforated How:** Saw
- **from (m):** 12.5  
  **to:** 35.7
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 63.9  
  **Time (minute):** 420.0
- **Level End (m):** 5.5  
  **Drawdown (m):** 4.9
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

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### Laboratory:

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- **DIC Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Beryllium:**
- **Phosphate:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

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### Lithologic Description:

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<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>724.8</td>
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### Other Data:

- **Electric Log:** No  
  **Transmissivity:** m³/day
- **Gamma Log:** No  
  **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
  **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Well Owner:** Woods, Kathleen
- **Drilling Contractor:** Rodco Drilling
- **Well Number:** 07796
- **Elevation (AMSL) (m):** 728
- **AEP:** 401244
- **Licence No.:** Easting: 31,556.27
- **Date Started:** 21 Nov 94
- **Northing:** 5,931,624.50
- **Date Completed:** 23 Nov 94

### Lithologic Description

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### Laboratory:

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</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

### Electric Log:
- No Transmissivity: m³/day
- Gamma Log: No Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes Well Field Verified: No

### Pump:
- **Type:** Sub
- **Model:** Intake (m): 24.4
- **Testing:**
  - Rate (lpm): 36.5 Time (minute): 120.0
  - Level End (m): 1.5 Drawdown (m): 0.6
  - Rec'd intak (m): 18.3 Rec'd Rate (lpm): 45.6

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<td>Abandonment:</td>
<td></td>
<td></td>
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<tr>
<td>Casing:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type: Plastic</td>
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<tr>
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<td>from (m): to</td>
<td>15.2</td>
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<td>from (m): to</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<tr>
<td>Open Hole:</td>
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<tr>
<td>from (m): to</td>
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<td>Pump: Sub</td>
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<td>Transmissivity: m³/day</td>
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<td>pH (pH unit)</td>
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<td>Mercury</td>
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<td>SAR</td>
<td>Nickel</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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<tr>
<td>Remarks:</td>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic

**Elevation (AMSL) (m):** 727
**AEP:** 357763

**Completed Depth:** 30.5 (m)
**NPWL (m):** 6.1
**Abandonment:**

**Casing:**
- **Type:** Steel
  - **Depth (m):** 18.9
  - **Bottom (m):** 18.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 18.9

**Liner:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 30.5

**Perforated How:** Torch
- **from (m):** 24.4
- **to:** 30.5
- **Size:**
- **from (m):**
- **to:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Bottom (m):**
- **Top (m):**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):** 18.3

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0

**Level End (m):** 30.5
**Drawdown (m):** 24.4
**Rec’d intake (m):**
**Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **sort:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Drilling Contractor:** Big Iron Drilling Ltd.
**Well Owner:** Paron, Jim

**Printed on:** 2/20/98

**License No.:**
**Easting:** 30,801.09
**Northing:** 5,931,854.50

**Date Started:** 24 May 79
**Date Completed:** 26 May 79

**Well Use:**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Well Use:**
- **Casing:**
- **Type:**
- **Bottom (m):**
- **Depth (m):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**
- **Type:**
- **Bottom (m):**
- **Thickness (mm):**
- **Top (m):**
- **OD (mm):**

**Screen:**
- **Material:**
- **OD (mm):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Database:**
- **Project:**
- **AEP Data:**
- **Yes:**
- **Well Field Verified:**
- **No:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**
NW 04-053-04 W5M

Well Number: 07800

Well Owner: Sarnycia, M
Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

Elevation (AMSL) (m): 727
Licence No.: 357764
Date Started: 30 May 84
Easting: 30,887.86
Date Completed: 31 May 84
Northing: 5,931,775.50

General:
Type of Work: New Well
Well Use: Domestic
Completed Depth: 30.5 (m)
NPWL (m): 6
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 18.3
OD (mm): 114.3
Seal Type: Driven

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:

Screen:
Material:
OD (mm):
Top (m): Bottom (m):

Open Hole:
from (m): to

Pump:
Model: Sub
Intake (m): 17.7

Testing:
Rate (lpm): 20.5
Time (minute): 120.0
Level End (m): 17.1
Drain Drawdown (m): 16.5
Rec'd intake (m): 17.7
Rec'd Rate (lpm): 18.2

Laboratory:
pH (pH unit): COD: Mercury
Cond. (µS/cm): SAR: Nickel
TDS: TKN: Selenium
Sodium: Nitrate: Strontium
Potassium: Nitrite: Molybdenum
Calcium: TN: Vanadium
Magnesium: TC: Zinc
Carbonate: DIC: Hydroxide
Bicarbonate: Arsenic: Total Hardness
Aluminium: Barium: Manganese
Sulphate: Beryllium: Phosphate
Chloride: Cadmium: Ion Balance
Fluorides: Chromium: Amm. Nitrogen
Iron: Cobalt: Total Phosphate
TOC: Copper: Total Alkalinity
Silica: Lead: Nitrate&Nitrite

Electric Log: No
Transmissiviy: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 m
- **NPWL (m):** 2.1
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 19.2
  - **Bottom (m):** 19.2
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 19.2

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 16.8
  - **Bottom (m):** 36.6
- **Perforated How:** Saw
  - **from (m):** to 21.3
  - **to 36.6
  - **Size:**
  - **Size:**
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 29.9
- **Rate (lpm):** 18.2
  - **Time (minute):** 120.0
- **Level End (m):** 29.6
  - **Drawdown (m):** 27.7
- **Rec'd intake (m):** 30.5
  - **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**
- **m³/day**

### Gamma Log:
- **No**
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**printed on 2/20/98**
Well Owner: *Arnold, Stewart*
Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 22.9 (m)
- **NPWL (m):** 4.6 Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 18.9 Bottom (m): 18.9
- **OD (mm):** 141.2 Thickness (mm): 0.1
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:** St
- **OD (mm):** 1.2
  - from (m): 18.9 to 20.4 Size: 0.01
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Testing:**
  - Rate (lpm): 9.1 Time (minute): 420.0
  - Level End (m): 12.2 Drawdown (m): 7.6
  - Rec'd intake (m): Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 07-053-04 W5M**

**Well Owner:** *Arnold, Stewart*

**Drilling Contractor:** *Mcginn, Gerald Drilling Ltd.*

**Elevation (AMSL) (m):** 722  
**AEP:** 351709

**Licence No.:**  
**Easting:** 27,517.54  
**Northing:** 5,932,741.04

**Date Started:** 21 Jun 90  
**Date Completed:** 25 Jun 90

---

### General:

- **Type of Work:** Test Hole-Abandoned  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 51.5 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:** Cuttings

### Casing:

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:

### Screen:

- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 33.5 (m)
- **NPWL (m):** 4.9 Verified NPWL (m):
- **Abandonment:**
  - **Type:** Unknown
  - **Depth (m):** 15.9
  - **Bottom (m):** 15.9
  - **OD (mm):** 114.3
  - **Thickness (mm):**
    - from (m): to
  - **Seal Type:** Driven
    - **from (m):** to

### Casing:
- **Type:** Unknown
- **Depth (m):** 15.9
- **Bottom (m):** 15.9
- **OD (mm):** 114.3
- **Thickness (mm):**
  - from (m): to
  - from (m): to
  - from (m): to

### Liner:
- **Type:**
  - **OD (mm):**
    - from (m): to
    - from (m): to
    - from (m): to
- **Perforated How:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to
    - from (m): to
    - from (m): to
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**
  - **Intake (m):**
  - **Rate (lpm):** 22.8
  - **Time (minute):** 420.0
  - **Level End (m):**
  - **Drawdown (m):** 10.4
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 18.3

### Laboratory:
- **pH (pH unit):**
  - **COD:** Mercury
- **Cond. (µS/cm):**
  - **SAR:** Nickel
- **TDS:**
  - **TKN:** Selenium
- **Sodium:**
  - **Nitrate:** Strontium
- **Potassium:**
  - **Nitrite:** Molybdenum
- **Calcium:**
  - **TN:** Vanadium
- **Magnesium:**
  - **TC:** Zinc
- **Carbonate:**
  - **DIC:** Hydroxide
- **Bicarbonate:**
  - **Arsenic:** Total Hardness
- **Aluminum:**
  - **Barium:** Manganese
- **Sulphate:**
  - **Beryllium:** Phosphate
- **Chloride:**
  - **Cadmium:** Ion Balance
- **Fluoride:**
  - **Chromium:** Amm. Nitrogen
- **Iron:**
  - **Cobalt:** Total Phosphate
- **TOC:**
  - **Copper:** Total Alkalinity
- **Silica:**
  - **Lead:** Nitrate&Nitrite N
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing:
- **Electric Log:** No
  - **Transmissivity:** m²/day
- **Gamma Log:** No
  - **Storativity:**
- **Aquifer Test:** No
  - **Project:** Database: 1.000H
- **AEP Data:** Yes
  - **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 07-053-04 W5M**

**Well Number:** 07805

**Well Owner:** Hope, Jim

**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 753

**AEP:** 368576

**Licence No.:**

**Easting:** 27,782.64

**Date Started:** 23 Sep 92

**Northing:** 5,933,404.50

**Date Completed:** 25 Sep 92

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 10.1
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 36.6
  - **Bottom (m):** 36.6
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): 36.6
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 36.0
  - **Bottom (m):** 61.0
- **Perforated How:** Machine
  - from (m): 54.9 to 61.0
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - from (m): to
  - **Thickness:**
  - from (m): to
- **Open Hole:** from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):** 48.8
- **Testing:**
  - **Rate (lpm):** 6.8
  - **Time (minute):** 360.0
  - **Level End (m):** 45.7
  - **Drawdown (m):** 35.7
  - **Rec’d intake (m):** 48.8
  - **Rec’d Rate (lpm):** 4.6

---

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<tbody>
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<td>46.0</td>
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**Laboratory:**

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<td>Cond. (µS/cm)</td>
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</tr>
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<td>TDS</td>
<td>TKN</td>
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<td>Zinc</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Barium</td>
<td>Manganese</td>
</tr>
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<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
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<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 07-053-04 W5M**

**Well Owner:** Mcdonald, J  
**Drilling Contractor:** Triple M Drig

**Elevation (AMSL) (m):** 747  
**AEP:** 357765  
**Licence No.:** 27,254.47  
**Date Started:** 12 Jul 77  
**Easting:** 5,933,087.50  
**Date Completed:** 18 Jul 77  

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**General:**  
Type of Work: New Well  
Drilling Method: Unknown  
Well Use: Domestic  
Completed Depth: 86.9 m  
NPWL (m): 13.1  
Abandonment:  

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</tr>
<tr>
<td>Bottom (m):</td>
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</tr>
<tr>
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<td>Rec'd intake (m):</td>
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<td>Nitrate&amp;Nitrite</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<th>Remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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</tbody>
</table>

**Printed on:** 2/20/98
**NW 07-053-04 W5M**

**Well Owner:** Smith, Blaise F

**Drilling Contractor:** Unknown Driller

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 22.9 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Strontium
- **Sodium:** Nitrate Selenium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Electric Log:** Transmissivity: m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07807

**Elevation (AMSL) (m):** 775

**Licence No.:** AEP: 361717

**Date Started:**

**Easting:** 27,255.25

**Northing:** 5,933,333.00

**Date Completed:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Water Well Positioned by PFRA in 10TM NAD 27
NW 08-053-04 W5M

Well Owner: Blackstock, George
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 741
AEP: 356922
Licence No.: 28,972.09
Date Started: Northing: 5,932,861.00
Date Completed:

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<th>Pump:</th>
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<td>Intake (m):</td>
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<td>Rec'd intake (m):</td>
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Laboratory:

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<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
NW 08-053-04 W5M

Well Owner: Parranto V.
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 746
Easting: 29,139.05
Northing: 5,932,909.00

Well Number: 07810

Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth: 10.7 m
NPWL (m): Verified NPWL (m): 
Abandonment: 

Casings:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to 

Liners:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
 from (m): to Size:
 from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
 from (m): to Size:
 from (m): to Size:

Open Hole:
from (m): to 

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminium
Potassium
Sulphate
Chloride
Fluoride
Iron
TOC
Silica
COD
SAR
TKN
Nitrate
Selenium
Strontium
Vanadium
Zinc
Hydroxide
Arsenic
Strontium
Manganese
Phosphate
Ion Balance
Amm. Nitrogen
Total Phosphate
Total Alkalinity
Lead
Nitrates&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Project: 1.000H
AEP Data: Yes
Well Field Verified: No

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Database: Project: 1.000H
AEP Data: Yes
Well Field Verified: No

printed on 2/20/98
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 42.7 (m)
NPWL (m): 27.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 32.0 Bottom (m): 32.0
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): 30.8 to 32.0

Linier:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 29.0 Bottom (m): 42.7
Perforated How: Hand Drill
from (m): 32.6 to 42.7 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 36.6

Testing:
Rate (lpm): 59.3 Time (minute): 120.0
Level End (m): 35.0 Drawdown (m): 7.6
Rec'd intake (m): 35.0 Rec'd Rate (lpm): 45.6

Laboratory:

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<td>Total Alkalinity</td>
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<td>Nitrate &amp; Nitrite</td>
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Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 32.0 (m)  
- **NPWL (m):** 4.6  
- **Verified NPWL (m):**  
- **Abandonment:**  
  - **Type:** Plastic  
  - **Depth (m):** 21.3  
  - **Bottom (m):** 21.3  
  - **OD (mm):** 152.4  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Formation Seal  
  - **from (m):** to 21.3  
  - **Linier:**  
    - **Type:** Plastic  
    - **OD (mm):** 114.3  
    - **Thickness (mm):** 0.1  
    - **Top (m):** 18.9  
    - **Bottom (m):** 31.1  
    - **Perforated How:** Saw  
      - **from (m):** to 18.9  
      - **to:** 31.1  
      - **Size:**  
    - **Screen:**  
      - **Material:**  
        - **OD (mm):** from to  
        - **Size:**  
      - **Open Hole:**  
        - **from (m):** to  
      - **Pump:**  
        - **Model:** Intake (m):  
  
- **Testing:**  
  - **Rate (lpm):** 22.8  
  - **Time (minute):** 420.0  
  - **Level End (m):** 16.8  
  - **Drawdown (m):** 12.2  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

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<td>pH (pH unit)</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation**

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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<td>4.6</td>
<td>724.8</td>
<td>Clay Hard Yellow</td>
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<td>721.7</td>
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<td>20.4</td>
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<td>22.3</td>
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<tr>
<td>27.7</td>
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<td>Shale Sandy Gray</td>
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<td>29.3</td>
<td>700.1</td>
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<td>32.0</td>
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<td>Shale Greenish Gray</td>
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**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  
**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
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<tr>
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<tr>
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<td>from (m): to 20.1</td>
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<tr>
<td>Type: Driven</td>
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<td>OD (mm): 114.3</td>
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<td>Bottom (m): 45.4</td>
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<td>OD (mm):</td>
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<tr>
<td>from (m): to Size</td>
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<td>from (m): to Size</td>
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<td>Open Hole:</td>
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<td>from (m): to</td>
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<tr>
<td>Pump:</td>
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| Laboratory:                     |                                   |
| pH (pH unit)                    | COD                                |
| Cond. (µS/cm)                   | SAR                                |
| TDS                             | KTN                                |
| Sodium                          | Nitrate                            |
| Potassium                       | Nitrite                            |
| Calcium                         | TN                                 |
| Magnesium                       | TC                                 |
| Carbonate                       | DIC                                |
| Bicarbonate                     | Arsenic                            |
| Aluminium                       | Barium                             |
| Sulphate                        | Beryllium                          |
| Chloride                        | Cadmium                            |
| Fluoride                        | Chromium                           |
| Iron                            | Cobalt                             |
| TOC                             | Copper                             |
| Silica                          | Lead                               |
| Electric Log: No                | Transmissivity: m³/day             |
| Gamma Log: No                   | Storativity:                       |
| Aquifer Test: No                |                                   |
| Project: Database: 1.000H       |                                   |
| AEP Data: Yes                   | Well Field Verified: No            |

Water Well Positioned by PFRA in 10TM NAD 27
**SE 09-053-04 W5M**

**Well Owner:** Lord, Bruce  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 731  
**AEP:** 372471  
**Licence No.:** Easting: 31,522.20  
**Date Started:** 22 Jun 93  
**Nothing:** 5,931,959.00  
**Date Completed:** 24 Jun 93

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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<td>6.1</td>
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<td>16.1</td>
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<td>17.1</td>
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<td>27.4</td>
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<td>Sandstone</td>
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<td>37.8</td>
<td>693.2</td>
<td>Shale Green</td>
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### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 37.8 (m)  
- **NPWL (m):** 4.6  
- **Abandonment:**

#### Casing:

- **Type:** Plastic  
- **Depth (m):** 17.7  
- **Bottom (m):** 17.7  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  

#### Liner:

- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 14.9  
- **Bottom (m):** 36.9  

#### Perforated How:

- **Saw**  
- **from (m):** 14.9  
- **to 36.9**  
- **Size:**

#### Screen:

- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to**  
  - **Size:**

#### Open Hole:

- **from (m):**
- **to**

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0  
- **Level End (m):**
- **Drawdown (m):** 6.1  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:

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<td>TKN</td>
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<td>Copper</td>
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<td>Silica</td>
<td>Lead</td>
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### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Database:** Project: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 34.1 m
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 18.3
  - **Bottom (m):** 18.3
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 18.3

**Liner:**
- **Type:**
  - OD (mm): 127.0
  - Thickness (mm): 0.1
- **Top (m):** 14.9
- **Bottom (m):** 33.2
- **Perforated How:** Saw
  - **from (m):** to 33.2
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
  - OD (mm):
    - **from (m):** to Size:
    - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 18.3
- **Drawdown (m):** 10.7
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Barium:**
- **Molybdenum:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Lead:**

- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Total Phosphorus:**
- **Total Alkalinity:**
- **Amm. Nitrogen:**
- **Phosphate:**
- **Ion Balance:**
- **Iron:**
- **Copper:**
- **Lead:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 09-053-04 W5M**

Well Owner: **Peddle, Foster**
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

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<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td>Type of Work: <strong>New Well</strong></td>
<td>(m)</td>
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<tr>
<td>Drilling Method: <strong>Rotary</strong></td>
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<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth 32.0 (m)</td>
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<tr>
<td>NPWL (m): 1.5</td>
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<td>Abandonment:</td>
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**Casing:**
- **Type:** Plastic
- **Depth (m):** 8.5
- **Bottom (m):** 8.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 8.5

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 5.5
- **Bottom (m):** 31.1
- **Perforated How:** Machine
- **from (m):** 5.5 to 31.1
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 7.6
- **Drawdown (m):** 6.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
SE 09-053-04 W5M

Well Owner: Thorogood, Dave
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 729
AEP: 364930
Licence No.: 09-053-04 W5M
Date Started: 01 Jun 92
Easting: 31,390.83
Date Completed: 01 Jun 92
Northing: 5,931,875.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 32.0 (m)
NPWL (m): 3.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 9.1 Bottom (m): 9.1
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 9.1

Liner:
Type: Plastic
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 6.1 Bottom (m): 31.1
Perforated How: Saw
from (m): to 31.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 12.2
Testing:
Rate (lpm): 13.7 Time (minute): 420.0
Level End (m): 12.2 Drawdown (m): 9.1
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
2.4 726.1 Clay Yellow
4.0 724.6 Clay Blue
4.3 724.3 Stones
6.1 722.4 Shale Soft Brown
9.1 719.4 Shale Sandy Light Gray
10.7 717.9 Shale Gray
18.3 710.2 Sand & Shale Gray
18.6 709.9 Sandstone
20.7 707.8 Shale Gray
24.4 704.2 Shale Sandy Gray
25.9 702.6 Shale Gray
27.1 701.4 Shale & Coal Brown
32.0 696.5 Shale Gray

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

printed on 2/20/98
### General:
- **Type of Work**: New Well
- **Drilling Method**: Cable Tool
- **Well Use**: Domestic
- **Completed Depth**: 36.6 (m)
- **NPWL (m)**: 10.4
- **Verified NPWL (m)**:
- **Abandonment**:

### Casing:
- **Type**: Steel
- **Depth (m)**: 27.1
- **Bottom (m)**: 27.1
- **OD (mm)**: 139.7
- **Thickness (mm)**: 0.1
- **Seal Type**: Driven
  - **from (m)**: to 27.1

### Liner:
- **Type**: Steel
- **OD (mm)**: 114.3
- **Thickness (mm)**: 0.1
- **Top (m)**: 25.9
- **Bottom (m)**: 36.6
- **Perforated How**: Torch
  - **from (m)**: 30.5
  - **to 36.6
  - **Size**:
  - **from (m)**: 30.5
  - **to 36.6
  - **Size**:

### Screen:
- **Material**:
- **OD (mm)**:
  - **from (m)**: to Size:
  - **from (m)**: to Size:

### Open Hole:
- **from (m)**: to

### Pump:
- **Model**: 7g03
- **Intake (m)**: 36.6

### Testing:
- **Rate (lpm)**: 36.5
- **Time (minute)**: 320.0
- **Level End (m)**: 36.6
- **Drawdown (m)**: 36.6
- **Rec'd Rate (lpm)**: 32.0
- **Rec'd intake (m)**: 36.6

### Laboratory:
- **pH (pH unit)**
- **COD**
- **Mercury**
- **SAR**
- **Nickel**
- **TDS**
- **TKN**
- **Selenium**
- **Sodium**
- **Nitrate**
- **Strontium**
- **Potassium**
- **Nitrite**
- **Molybdenum**
- **Calcium**
- **TN**
- **Vanadium**
- **Magnesium**
- **TC**
- **Zinc**
- **Carbonate**
- **DIC**
- **Hydroxide**
- **Bicarbonate**
- **Arsenic**
- **Total Hardness**
- **Aluminum**
- **Barium**
- **Manganese**
- **Sulphate**
- **Beryllium**
- **Phosphorus**
- **Chloride**
- **Cadmium**
- **Ion Balance**
- **Fluoride**
- **Chromium**
- **Amm. Nitrogen**
- **Iron**
- **Cobalt**
- **Total Phosphate**
- **TOC**
- **Copper**
- **Total Alkalinity**
- **Silica**
- **Lead**
- **Nitrate&Nitrite N**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation (AMSL) (m)**: 730
**AEP**: 397119
**Licence No.**: 6871
**Date Started**: 02 Aug 94
**Easting**: 31,449.95
**North**: 5,931,954.50
**Date Completed**: 05 Aug 94
**Database**: 1.000H
**Well Field Verified**: No

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number:** 07819

- **Well Owner:** Baker, Don
- **Drilling Contractor:** Big Iron Drilling Ltd.
- **Elevation (AMSL) (m):** 728
- **AEP:** 399999
- **Licence No.:** Easting: 30,726.57
- **Date Started:** 16 Feb 94
- **Northing:** 5,932,148.50
- **Date Completed:** 02 Mar 94

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

---

**Casing:**

- **Type:** Steel
- **Depth (m):** 21.9
- **Bottom (m):** 21.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 21.9

---

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 21.3
- **Bottom (m):** 45.7

---

**Perforated How:** Torch

- **from (m):** 24.4 to 36.6
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

---

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):** to

---

**Pump:** Sub

- **Model:**
- **Intake (m):** 42.7

---

**Testing:**

- **Rate (lpm):** 13.7
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 42.7
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 13.7

---

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

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**Water Well Positioned by PFRA in 10TM NAD 27**

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**Database:** Project: 1.000H

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**Chemical Constituents in mg/l (ppm). Except as noted.**
**SW 09-053-04 W5M**

**Well Owner:** Breton, Ileene  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

**Well Number:** 07820  
**Elevation (AMSL) (m):** 726  
**AEP:** 358454

**Licence No.:** 30644.98  
**Date Started:** 04 Jul 91  
**Date Completed:** 05 Jul 91

---

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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>8.2</td>
<td>718.0</td>
<td>Clay Sandy Blue</td>
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<td>10.7</td>
<td>715.6</td>
<td>Shale Gray</td>
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<td>15.5</td>
<td>710.7</td>
<td>Sandstone</td>
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<td>15.9</td>
<td>710.4</td>
<td>Coal</td>
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<td>22.9</td>
<td>703.4</td>
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<td>29.9</td>
<td>696.4</td>
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<td>32.3</td>
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<td>34.1</td>
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<td>43.0</td>
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<td>45.4</td>
<td>680.9</td>
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<td>48.8</td>
<td>677.5</td>
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---

**General:**  
**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic

**Completed Depth:** 48.8 (m)  
**NPWL (m):** 1.8  
**Verified NPWL (m):**

**Abandonment:**

---

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<tr>
<td>Thickness (mm):</td>
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**Seal Type:** Shale Trap & Bentonite

**from (m):** to 10.1

---

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<th>Liner:</th>
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<td>OD (mm):</td>
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<tr>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>9.1</td>
</tr>
<tr>
<td>Bottom (m):</td>
<td>48.8</td>
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**Perforated How:** Other

**from (m):** to 48.8  
**Size:**

---

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<td>Material:</td>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m):</td>
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<tr>
<td>from (m):</td>
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<th>Open Hole:</th>
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<td>from (m):</td>
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<tr>
<th>Pump:</th>
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<tr>
<td>Model:</td>
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<tr>
<td>Intake (m):</td>
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**Testing:**

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<td>Time (minute):</td>
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**Level End (m):** 30.5  
**Drawdown (m):** 28.7  
**Rec'd Rate (lpm):**  
**Rec'd intake (m):**

---

**Laboratory:**

- pH (pH unit): COD (ppm)  
  - Mercury
- Cond. (µS/cm): SAR (ppm)  
  - Nickel
- TDS: TKN (ppm)  
  - Selenium
- Sodium: Nitrate (ppm)  
  - Strontium
- Nitrite (ppm)  
  - Molybdenum
- Calcium: TN (ppm)  
  - Vanadium
- Magnesium: TC (ppm)  
  - Zinc
- Carbonate: DIC (ppm)  
  - Hydroxide
- Bicarbonate: Arsenic (ppm)  
  - Total Hardness
- Aluminium: Barium (ppm)  
  - Manganese
- Sulphate: Beryllium (ppm)  
  - Phosphate
- Chloride: Cadmium (ppm)  
  - Ion Balance
- Fluoride: Chromium (ppm)  
  - Amm. Nitrogen
- Iron: Cobalt (ppm)  
  - Total Phosphate
- TOC: Copper (ppm)  
  - Total Alkalinity
- Silica: Lead (ppm)  
  - Nitrate+Nitrite

**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Database:** 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
**Well Number: 07821**

**Well Owner:** Jakubovic, Leslie  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 728  
**AEP:** 378268  
**Date Started:** 25 May 95  
**Date Completed:** 26 May 95

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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 33.2</td>
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<tr>
<td>NPWL (m): 2.4</td>
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<td>Abandonment:</td>
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<tr>
<td>Casing:</td>
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<tr>
<td>Type: Plastic</td>
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<tr>
<td>Depth (m): 9.1</td>
<td>Bottom (m): 9.1</td>
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<tr>
<td>OD (mm): 152.4</td>
<td>Thickness (mm): 0.1</td>
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<td>Seal Type: Formation Seal</td>
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<tr>
<td>from (m): to 9.1</td>
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<tr>
<td>Liner:</td>
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<tr>
<td>Type:</td>
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<tr>
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<td>Screen:</td>
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<tr>
<td>Material:</td>
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</table>
| OD (mm): | | to | Size:  
| from (m): | | to | Size:  
| Open Hole: | | |  
| from (m): | to | |  
| Pump: Sub | | |  
| Model: Jacuzzi | Intake (m): 18.3 | |  
| Testing: | | |  
| Rate (lpm): 16.0 | Time (minute): 120.0 | |  
| Level End (m): 13.7 | Drawdown (m): 11.3 | |  
| Rec'd intake (m): 18.3 | Rec'd Rate (lpm): 13.7 | |  

| Laboratory: | Electric Log: No | Transmissivity: m²/day |
| pH (pH unit) | COD | Mercury |  
| Cond. (µS/cm) | SAR | Nickel |  
| TDS | TKN | Selenium |  
| Sodium | Nitrate | Strontium |  
| Potassium | Nitrite | Molybdenum |  
| Calcium | TN | Vanadium |  
| Magnesium | TC | Zinc |  
| Carbonate | DIC | Hydroxide |  
| Bicarbonate | Arsenic | Total Hardness |  
| Aluminum | Barium | Manganese |  
| Sulphate | Beryllium | Phosphate |  
| Chloride | Cadmium | Ion Balance |  
| Fluoride | Chromium | Amm. Nitrogen |  
| Iron | Cobalt | Total Phosphate |  
| TOC | Copper | Total Alkalinity |  
| Silica | Lead | Nitrate & Nitrite |  
| | | |  
| Chemical Constituents are in mg/l (ppm). Except as noted. |  

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

#### Completion:
- **Completed Depth (m):** 3.05
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

#### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

#### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

#### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Intake (m):

#### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
  - **Cond. (µS/cm):** SAR
  - **TDS:** TKN
  - **Sodium:** Nitrate
  - **Potassium:** Nitrite
  - **Calcium:** TN
  - **Magnesium:** TC
  - **Carbonate:** DIC
  - **Bicarbonate:** Arsenic
  - **Aluminum:** Barium
  - **Sulphate:** Beryllium
  - **Chloride:** Cadmium
  - **Fluoride:** Chromium
  - **Iron:** Cobalt
  - **TOC:** Copper
  - **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm), Except as noted.**

#### Electric Log: No
- **Transmissivity:** m²/day

#### Gamma Log: No
- **Storativity:**

#### Aquifer Test: No
- **Project:** Database: 1.000H

#### AEP Data: Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: Macleod, Ken
Drilling Contractor: Unknown Driller

Well Number: SW 09-053-04 W5M

Elevation (AMSL) (m): 731
Licence No.: 70534
Date Started: 
Norting: 5,932,261.00
Date Completed: 

General:
Type of Work: Chemistry
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 27.7 (m)
NPWL (m): 6.1
Verifed NPWL (m): 
Abandonment:

Casing:
Type: 
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: 
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: 
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 22.9 (m)
- **NPWL (m):** .9
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 11.0
- **Bottom (m):** 11.0
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe

#### Liner:
- **Type:**
- **OD (mm):** 76.2
- **Thickness (mm):** 0.1
- **Top (m):** 9.8
- **Bottom (m):** 22.9

#### Perforated How:
- **from (m):** 9.8 to 22.9
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):** 9.1
- **Rate (lpm):** 13.7
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec’d intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Depth Elevation (BGL) (AMSL) (m)
- **(m) (m):**
- **Lithologic Description:**
- **5.5 723.0:** Clay
- **8.5 719.9:** Shale Fractured
- **11.3 717.2:** Shale
- **14.0 714.5:** Sandstone
- **15.5 712.9:** Shale
- **21.9 706.5:** Sandstone
- **22.9 705.6:** Shale

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Chemical Constituents
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Molybdenum
- **Beryllium:** Vanadium
- **Barium:** Zinc
- **Boron:** Hydroxide
- **Arsenic:** Total Hardness
- **Bromide:** Manganese
- **Sulphate:** Phosphate
- **Chromium:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 07825

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic

Completed Depth: 21.3 m
NPWL (m): Verified NPWL (m):

Abandonment:

Casing:
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- from (m):
- to

Liner:
- Type:
- OD (mm):
- Top (m):
- Perforated How:
- from (m):
- to
- Size:
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica

- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead

- Mercury
- Nickel
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite & Nitrite

- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 34.1 m
- **NPWL (m):** 2.4 m
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** Shale Trap
  - **from (m):** to 16.1

## Liner:
- **Type:**
  - **OD (mm):** Thickness (mm): 0.1
  - **Top (m):** Bottom (m): 34.1
- **Perforated How:** Saw
  - **from (m):** to 21.3 Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

## Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
  - **Open Hole:**
    - **from (m):** to

## Pump:
- **Model:** Sub
- **Rate (lpm):** Intake (m):
  - Level End (m): 30.5
  - Drawdown (m): 28.0
  - Rec'd intake (m): 24.4
  - Rec'd Rate (lpm): 9.1

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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<th>COD</th>
<th>pH</th>
<th>Mercury</th>
<th>Nickel</th>
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<th>TOC</th>
<th>Lead</th>
<th>Nitrate &amp; Nitrite</th>
<th>Copper</th>
<th>Total Phosphate</th>
<th>Zinc</th>
<th>Total Hardness</th>
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<th>Sodium</th>
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### Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 07826**

- **Elevation (AMSL) (m):** 728
- **AEP:** 365604
- **Licence No.:** Easting: 30,726.57
- **Date Started:** 21 Jul 92
- **Northing:** 5,932,148.50
- **Date Completed:** 22 Jul 92

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<td>19.2</td>
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<td>19.5</td>
<td>709.0</td>
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<td>21.9</td>
<td>706.5</td>
<td>Sand</td>
</tr>
<tr>
<td>29.6</td>
<td>698.9</td>
<td>Shale Hard</td>
</tr>
<tr>
<td>30.2</td>
<td>698.3</td>
<td>Coal</td>
</tr>
<tr>
<td>33.5</td>
<td>694.9</td>
<td>Shale</td>
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### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- Database: **1.000H**

### AEP Data:
- **Yes**
- **Well Field Verified:** **No**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 1.8
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 7.9
- **Bottom (m):** 7.9
- **OD (mm):** 152.4
- ** Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 7.9

## Liner:
- **Type:**
- **OD (mm):** 114.3
- ** Thickness (mm):** 0.1
- **Top (m):** 7.3
- **Bottom (m):** 36.6
- **Perforated How:** Saw
- **from (m):** 8.5 to 30.5
- **Size:**
- **from (m):** 33.5 to 33.8
- **Size:**
- **from (m):** to 7.9

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 30.5

## Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 420.0
- **Level End (m):** 25.9
- **Drawdown (m):** 24.1
- **Rec’d intake (m):** 30.5
- **Rec’d Rate (lpm):** 18.2

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitride:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

## Electric Log:
- **Transmissivity:** m²/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:**
- **Database:** 1.000H

## AEP Data:
- **Well Field Verified:** Yes

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### NE 10-053-04 W5M

**Well Number:** 07828

**Well Owner:** Millis, Katherine

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 765
**AEP:** 415532
**Licence No.:** Easting: 33,222.54
**Date Started:** 30 Aug 95
**Northing:** 5,932,993.00
**Date Completed:** 30 Aug 95

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<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<td>Completed Depth: 41.2 (m)</td>
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<td>NPWL (m): 11.6 Verified NPWL (m):</td>
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<td>Abandonment:</td>
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<tr>
<th><strong>Casing:</strong></th>
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<tbody>
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<td>Depth (m): 20.1 Bottom (m): 20.1</td>
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<td>Seal Type: Formation Seal</td>
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<td>from (m): to 20.1</td>
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<tbody>
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<tr>
<td>OD (mm): 127.0 Thickness (mm): 0.1</td>
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<td>Top (m): 18.3 Bottom (m): 40.2</td>
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<td>from (m): to 40.2 Size:</td>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<th><strong>Screen:</strong></th>
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<tr>
<td>OD (mm):</td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<th><strong>Open Hole:</strong></th>
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<tbody>
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<th><strong>Pump:</strong></th>
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<tbody>
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<td>Sub</td>
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<td>Model: Mcdonald</td>
<td>Intake (m): 19.8</td>
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<td>Rate (lpm): 16.0 Time (minute): 120.0</td>
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<td>Rec'd intake (m): 19.8 Rec'd Rate (lpm): 13.7</td>
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<th><strong>Laboratory:</strong></th>
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<tr>
<td>pH (pH unit):</td>
<td>COD Mercury</td>
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<tr>
<td>Cond. (µS/cm):</td>
<td>SAR Nickel</td>
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<tr>
<td>TDS:</td>
<td>TKN Selenium</td>
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<tr>
<td>Sodium:</td>
<td>Nitrate Strontium</td>
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<tr>
<td>Potassium:</td>
<td>Nitrite Molybdenum</td>
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<td>Calcium:</td>
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<tr>
<td>Magnesium:</td>
<td>TC Zinc</td>
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<td>Carbonate:</td>
<td>DIC Hydroxide</td>
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<td>Bicarbonate:</td>
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<td>Chromium Amm. Nitrogen</td>
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<td>TOC:</td>
<td>Copper Total Alkalinity</td>
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<td>Silica:</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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<tr>
<th><strong>Remarks:</strong></th>
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<tbody>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Well Number:** 07829
- **Well Owner:** McNeil, Donald
- **Drilling Contractor:** Unknown Driller
- **Well Use:** Domestic
- **Elevation (AMSL) (m):** 732
- **Licence No.:** Easting: 33,976.54
- **Date Started:** Northing: 5,932,070.50
- **Date Completed:**

**Well Inventory**
- **Well Number:** SW 11-053-04 W5M
- **Elevation (AMSL) (m):** 3.1
- **Licence No.:** 2.4
- **Elevation (BGL) (m):** 1.000H
- **Elevation (BBL) (m):** No
- **Elevation (BBL) (m):** No
- **Elevation (BBL) (m):** No
- **Elevation (BBL) (m):** No

**Lithologic Description**
- **Type of Work:** Well Inventory
- **Drilling Method:** Unknown
- **Completed Depth:** 3.1
- **NPWL (m):** 2.4
- **Verified NPWL (m):**
- **Well Use:** Domestic
- **Abandonment:**

**Casing:**
- **Type:** Wood
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m):
- **Testing:**
  - Rate (lpm):
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec'd intake (m):
  - Rec'd Rate (lpm):

**Laboratory:**
- **10 Sep 68**
- **pH (pH unit):** COD Mercury
- **Cond. (μS/cm):** SAR Nickel
- **TDS: 488.0** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness 304.00
- **Aluminium:** Barium Manganese
- ** Sulphate: 81.17** Beryllium Phosphate
- **Chloride: 2.13** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron: 3.40** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity 342.0
- **Silica:** Lead Nitrate & Nitrite N
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m)**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes Well Field Verified: No

**print**

2/20/98
**Well Number:** 07830  
**Well Owner:** Rein, Adam  
**Drilling Contractor:** Other  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  

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<th>Completed Depth</th>
<th>NPWL (m)</th>
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<td>41.8 (m)</td>
<td>6.7</td>
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<th>Lithologic Description</th>
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<th>Elevation (m)</th>
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<td>Clay &amp; Rocks Brown</td>
<td>6.1</td>
<td>725.8</td>
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<td>Clay Blue</td>
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<td>723.6</td>
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<td>Sand &amp; Gravel</td>
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<td>Clay Hard Blue</td>
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### Casing:
- **Type:** Steel  
- **Depth (m):** 37.5  
- **Bottom (m):** 37.5  
- **OD (mm):** 127.0  
- **Thickness (mm):**  

### Liner:
- **Type:** Driven  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **Thickness (mm):**  

### Open Hole:
- **OD (mm):**  
- **Size:**  

### Pump:
- **Model:** Monitor  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** 54.7  
- **Time (minute):** 2400.0  
- **Level End (m):**  
- **Drawdown (m):** 1.8  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:** TKN, Selenium  
- **Sodium:** Nitrate, Strontium  
- **Potassium:** Nitrite, Molybdenum  
- **Calcium:** TN, Vanadium  
- **Magnesium:** TC, Zinc  
- **Carbonate:** DIC, Hydroxide  
- **Bicarbonate:** Arsenic, Total Hardness  
- **Aluminum:** Barium, Manganese  
- **Sulphate:** Beryllium, Phosphorus  
- **Chloride:** Cadmium, Ion Balance  
- **Fluoride:** Chromium, Amm. Nitrogen  
- **Iron:** Cobalt, Total Phosphate  
- **TOC:** Copper, Total Alkalinity  
- **Silica:** Lead, Nitrate & Nitrite  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  

### Aquifer Test:
- **Copper:** Total Phosphate  
- **Silica:** Lead  

### Project:
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number: 07831**

**Well Owner:** Ewasiuk, C.
**Drilling Contractor:** Satellite Drilling Ltd.

**Elevation (AMSL) (m):** 749  
**AEP:** 367872  
**Licence No.:** Easting: 35262.95  
**Date Started:** 25 Sep 74  
**Date Completed:** 25 Sep 74

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.3 (m)
- **NPWL (m):** 7.6  
- **Veriﬁed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
  - **Depth (m):** 13.1  
  - **Bottom (m):** 13.1
- **OD (mm):** 139.7  
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to

### Lithologic Description
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<tr>
<th>Type</th>
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<th>Thickness (mm)</th>
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### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Hand Pump
- **Intake (m):** 33.5

### Testing:
- **Rate (lpm):** 36.5  
  - **Time (minute):** 360.0
- **Level End (m):** 26.5  
  - **Drawdown (m):** 18.9
- **Rec'd intake (m):** 25.3  
  - **Rec'd Rate (lpm):**

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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** No  
- **Storativity:**
- **Aquifer Test:** No  
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**NW 12-053-04 W5M**

**Well Owner:** Loyer, Flossie  
**Drilling Contractor:** Satellite Drilling Ltd.

**General:**  
**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic

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**Seal Type:** Driven

**Liner:**

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**Perforated How:** Torch

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<table>
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<th>from (m):</th>
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**Open Hole:**

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**Pump:**

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**Testing:**

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**Laboratory:**

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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number 07832**

**Elevation (AMSL) (m):** 749  
**AEP:** 375897

**Licence No.:** Easting: 35,262.95  
**Date Started:** 23 Sep 74  
**Northing:** 5,933,100.00  
**Date Completed:** 25 Sep 74

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<th>Depth (BGL) (AMSL) (m)</th>
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<td>40.8</td>
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<td>42.1</td>
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**Electric Log:** No  
**Transmissivity:** m³/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

*printed on 2/20/98*
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 53.3 m
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:

- **Type:** Steel
- **Depth (m):** 30.2
- **Bottom (m):** 30.2
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
  - **from (m):** 29.9
  - **to:** 30.2

## Liner:

- **Type:**
  - **OD (mm):** 101.6
  - **Thickness (mm):** 0.1
- **Top (m):** 29.0
- **Bottom (m):** 53.3
- **Perforated How:** Machine
  - **from (m):** 41.2
  - **to:** 53.3
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

## Screen:

- **Material:**
  - **OD (mm):**
    - **from (m):**
    - **to:**
  - **Thickmess (mm):**
  - **OD (mm):**
    - **from (m):**
    - **to:**

## Open Hole:

- **from (m):**

## Pump:

- **Sub:**
  - **Model:**
  - **Intake (m):**
  - **Rate (lpm):** 91.2
  - **Time (minute):** 120.0
  - **Level End (m):** 53.3
  - **Drawdown (m):** 44.2
  - **Rec'd intake (m):** 33.5
  - **Rec'd Rate (lpm):** 31.9

## Laboratory:

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

### Depth Elevation

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### Electric Log: No  Transmissivity: m²/day
### Gamma Log: No  Storativity:
### Aquifer Test: No  Project: Database: 1.000H
### AEP Data: Yes  Well Field Verified: No

---

printed on 2/20/98
**SE 12-053-04 W5M**

**Well Owner:** Feist, Linus  
**Drilling Contractor:** Clear Water Drilling Ltd.

**Elevation (AMSL) (m):** 723  
**AEP:** 357766  
**Licence No.:** 723  
**Date Started:** 24 Jun 86

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 5.5  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 42.1  
- **Bottom (m):** 42.1  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **from (m):**  
- **to:** 42.1  

### Liner:
- **Type:**  
- **OD (mm):** 88.9  
- **Thickness (mm):** 0.1  
- **Top (m):** 41.2  
- **Bottom (m):** 54.9  
- **Perforated How:** Machine  
- **from (m):** 41.2  
- **to:** 54.9  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  

### Open Hole:
- **from (m):**  
- **to:**  

### Pump:
- **Model:**  
- **Intake (m):** 30.5  

### Testing:
- **Rate (lpm):** 27.4  
- **Time (minute):** 60.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 27.4

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Nitrate:**  
- **Strontium:**  
- **Sodium:**  
- **Selenium:**  
- **Potassium:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Manganese:**  
- **Sulphate:**  
- **Phosphorus:**  
- **Chloride:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite:**  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98

**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:**  
**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number 07835**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 31.1 meters
- **NPWL (m):** 0 meters
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 15.5
- **Bottom (m):** 15.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Welded
- **from (m):** 1.5
- **to:** 6.1

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 14.6
- **Bottom (m):** 31.1
- **Perforated How:** Other
- **from (m):** 21.3
- **to:** 27.4
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 9.1
- **Drawdown (m):** 9.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrates (µS/cm):**
- **Selenium:**
- **Total Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Vanadium:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Number: 07836

Well Owner: Sturts, Henery
Drilling Contractor: D&D Water Well Drilling & Services

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 18.9 m
- NPWL (m): 9.0
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 12.8
- Bottom (m): 12.8
- OD (mm): 152.4
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentoni
- from (m): to 12.8

Liner:
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 12.2
- Bottom (m): 18.9

Perforated How: Other
- from (m): 13.7 to 18.9
- Size: Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:

Open Hole:
- OD (mm): to

Pump:
- Model: Intake (m):

Testing:
- Rate (lpm): 22.8
- Time (minute): 120.0
- Level End (m): 13.7
- Drawdown (m): 12.8
- Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
- pH (pH unit)
- COD
- SAR
- TDS
- Sodium
- Nitrate
- Potassium
- Nitrite
- Calcium
- Molybdenum
- Magnesium
- Zinc
- Carbonate
- DIC
- Bicarbonate
- Arsenic
- Aluminum
- Barium
- Sulphate
- Beryllium
- Chloride
- Cadmium
- Fluoride
- Chromium
- Iron
- Cobalt
- TOC
- Copper
- Silica
- Lead
- Nitrate
- Nitrite
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Elevation (AMSL) (m): 738
AEP: 364905
Licence No.: 
Easting: 35,617.72
Date Started: 21 Feb 92
Northing: 5,932,373.00
Date Completed: 21 Feb 92

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
2.1 735.9 Clay Yellow
7.3 730.7 Clay Blue
9.8 728.2 Coal
14.6 723.4 Shale Gray
16.5 721.5 Shale & Coal Brown
18.9 719.1 Sandstone

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project:
AEP Data: Yes
Database: 1.000H
Well Field Verified: No
**SW 12-053-04 W5M**

**Well Owner:** Tucks, Henry  
**Drilling Contractor:** Jalbert Enterprises

**Depth Elevation**  
<table>
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<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>24.4</td>
<td>713.6</td>
<td>Clay</td>
</tr>
<tr>
<td>29.0</td>
<td>709.0</td>
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<tr>
<td>38.1</td>
<td>699.9</td>
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<tr>
<td>48.8</td>
<td>689.2</td>
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<td>57.9</td>
<td>680.1</td>
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<tr>
<td>82.3</td>
<td>655.7</td>
<td>Sandstone</td>
</tr>
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</table>

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 82.3 (m)  
- **NPWL (m):** 17.7  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Galvanized Steel  
- **Depth (m):** 48.8  
- **Bottom (m):** 48.8  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Seal Type:** Driven  
- **from (m):**  
- **to:**  
- **Liner:**  
- **Type:**  
- **OD (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):**  
- **to:**  
- **Size:**  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  
- **Open Hole:**  
- **from (m):**  
- **to:**  
- **Pump:**  
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 36.5  
- **Time (minute):** 180.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Barium:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Chromium:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **COD:**  
- **SAR:**  
- **TN:**  
- **TC:**  
- **DIC:**  
- **TC:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Nitrate:**  
- **Selenium:**  
- **Strontium:**  
- **Sodium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Vanadium:**  
- **Zinc:**  
- **Nickel:**  
- **Sodium:**  
- **Sulphate:**  
- **Phosphate:**  
- **Phosphate:**  
- **Hydroxide:**  
- **Total Hardness:**  
- **Manganese:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitrate & Nitrite:**  

**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Piezometer
- **Drilling Method:** Combination
- **Well Use:** Investigation

### Depth and Elevation:
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<th>(BGL)</th>
<th>(AMSL)</th>
<th>Lithologic Description</th>
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<td>782.0</td>
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### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrates:**
- **Strontium:**
- **Potassium:**
- **Nitrites:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

### Electric Log:
- **Yes**

### Gamma Log:
- **Yes**

### Aquifer Test:
- **No**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Printed on:** 2/20/98
### General

- **Type of Work:** Test Hole
- **Well Use:** Investigation
- **Completed Depth:** 14.0 (m)
- **Well Owner:** Alta Env 
- **Drilling Contractor:** Alberta Environment
- **Elevation (AMSL) (m):** 785
- **Licence No.:** Easting: 36,771.91
- **Date Started:** 10 Nov 77
- **Northing:** 5,934,901.50
- **Date Completed:** 10 Nov 77

### Casing

- **Type:** Unknown
- **Depth (m):** 14.0
- **Bottom (m):** 14.0
- **OD (mm):** 168.2
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole

- **from (m):**
- **to:**

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

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<tr>
<th>Parameter</th>
<th>Value</th>
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<td>Cond. (µS/cm)</td>
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### Depth Elevation

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<tr>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>Clay Sandy Black</td>
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<tr>
<td>1.2</td>
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<tr>
<td>3.1</td>
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<td>12.2</td>
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<td>12.5</td>
<td>Coal Black</td>
</tr>
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<td>14.0</td>
<td>Shale Carbonaceous Black</td>
</tr>
</tbody>
</table>

### Remarks

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
04-13-053-04 W5M

Well Owner: Alta Env #3r1
Drilling Contractor: Water Resources

Well Number 07840

Elevation (AMSL) (m): 768
AEP: 396696
Licence No.: Easting: 35.418.74
Date Started: Northing: 5,933,665.00
Date Completed: 01 Oct 69

Depth Elevation
(BGL) (AMSL)
(m) (m) Lithologic Description

0.3 767.8 Topsoil Black
3.1 765.1 Clay Brownish Gray
5.5 762.6 Till & Clay Sandy Dark Gray
6.1 762.0 Till & Clay Pebble
13.4 754.7 Sand Saturated Gray
17.7 750.4 Sand & Gravel Silty Gray
19.5 748.6 Sandstone Weathered Light Gray

General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Investigation
Completed Depth 19.5 (m)
NPWL (m): 1.3 Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:

Screen:
Material:
OD (mm):
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
General:
- Type of Work: Test Hole
- Drilling Method: Unknown
- Well Use: Investigation
- Completed Depth: 18.0 (m)
- NPWL (m): 2.5
- Veriﬁed NpwL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- OD (mm):
- Seal Type:
- from (m):
- to

Liner:
- Type:
- OD (mm): 101.6
- Thickness (mm):
- Top (m):
- Bottom (m): 18.0
- Perforated How:
- from (m): 15.9 to 18.0
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Screen:
- Material:
- OD (mm):
- from (m):
- to
- Size:
- from (m):
- to
- Size:

Open Hole:
- from (m):
- to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intacke (m):
- Rec’d Rate (lpm):

Laboratory:
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
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<tr>
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Water Well Positioned by PFRA in 10TM NAD 27
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<tbody>
<tr>
<td>Well Owner: Whitewood Mines #C3b</td>
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<tr>
<td>Drilling Contractor: Alberta Environment</td>
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<tr>
<td>Elevation (AMSL) (m): 785</td>
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<td>Date Started:</td>
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<tr>
<td>Date Completed:</td>
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<td>Well Use: Investigation</td>
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</table>

**General:**
- Type of Work: Test Hole
- Drilling Method: Unknown
- Well Use: Investigation
- Completed Depth: 4.9 (m)
- NPWL (m): 4.1
- Verified NPWL (m): 4.1
- Abandonment: Yes

**Casing:**
- Type: Unknown
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type: Unknown
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How: from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: Unknown
- OD (mm): from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD Mercury
- Cond. (µS/cm): SAR Nickel
- TDS: TKN Selenium
- Sodium: Nitrate Strontium
- Potassium: Nitrite Molybdenum
- Calcium: TN Vanadium
- Magnesium: TC Zinc
- Carbonate: DIC Hydroxide
- Bicarbonate: Arsenic Total Hardness
- Aluminum: Barium Manganese
- Sulphate: Beryllium Phosphate
- Chloride: Cadmium Ion Balance
- Fluoride: Chromium Amm. Nitrogen
- Iron: Cobalt Total Phosphate
- TOC: Copper Total Alkalinity
- silica: Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No Transmissivity: m²/day
**Gamma Log:** No Storativity:
**Aquifer Test:** No
**Database:** 1.000H
**AEP Data:** Yes Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth (m):** 4.9
- **NPWL (m):** 4.2
- **Verified NPWL (m):** 4.2
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- ** Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to to to to Size: Size: Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to to to Size: Size: Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

### Completed Depth:
- **Depth:** 4.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Sodium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrates & Nitrites:**
- **Arsenic:**
- **Total Hardness:**
- **Bi-Valent Iron:**
- **Alkali Metals:**
- **Total Alkalinity:**
- **Total Nitrogen:**
- **Organic Carbon:**
- **Total Phosphorus:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Strontium:**
- **Barium:**
- **Sulphate:**
- **Molybdenum:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
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- **Sodium:**
- **Chromium:**
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- **Barium:**
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- **Molybdenum:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
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- **TKN:**
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- **Selenium:**
- **Nitrite:**
- **Sodium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrates & Nitrites:**
- **Arsenic:**
- **Total Hardness:**
- **Bi-Valent Iron:**
- **Alkali Metals:**
- **Total Alkalinity:**
- **Total Nitrogen:**
- **Organic Carbon:**
- **Total Phosphorus:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Strontium:**
- **Barium:**
- **Sulphate:**
- **Molybdenum:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Sodium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrates & Nitrites:**
- **Arsenic:**
- **Total Hardness:**
- **Bi-Valent Iron:**
- **Alkali Metals:**
- **Total Alkalinity:**
- **Total Nitrogen:**
- **Organic Carbon:**
- **Total Phosphorus:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Strontium:**
- **Barium:**
- **Sulphate:**
- **Molybdenum:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Sodium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrates & Nitrites:**
- **Arsenic:**
- **Total Hardness:**
- **Bi-Valent Iron:**
- **Alkali Metals:**
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- **Magnesium:**
- **Zinc:**
- **Strontium:**
- **Barium:**
- **Sulphate:**
- **Molybdenum:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Nitrite:**
- **Sodium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrates & Nitrites:**
- **Arsenic:**
- **Total Hardness:**
- **Bi-Valent Iron:**
- **Alkali Metals:**
- **Total Alkalinity:**
- **Total Nitrogen:**
- **Organic Carbon:**
- **Total Phosphorus:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Strontium:**
- **Barium:**
- **Sulphate:**
- **Molybdenum:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Lithologic Description:
(No Lithologic Information Available)

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 4.9 m
- **NPWL:** 4.5 m
- **Verified NPWL:** 4.5 m
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **From (m):** to
- **Thickness (mm):**

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **From (m):** to Size:
- **From (m):** to Size:
- **From (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **From (m):** to Size:
- **From (m):** to Size:
- **From (m):** to Size:

### Open Hole:
- **From (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR, TDS, Sodium, Potassium, Calcium, Magnesium, Carbonate, Bicarbonate, Aluminium, Sulphate, Chloride, Fluoride, Iron, TOC, Silicona
- **COD:** Mercury, Nickel, TKN, Strontium, Molybdenum, Vanadium, Zinc, Hydroxide, Arsenic, Total Hardness, Manganese, Beryllium, Phosphate, Cadmium, Chromium, Amm. Nitrogen, Cobalt, Copper, Total Alkalinity, Lead, Nitrate&Nitrite, Barium, Phosphate, Molybdenum, Potassium, Vanadium, Arsenic, Total Hardness, Manganese, Beryllium, Phosphate, Cadmium, Chromium, Amm. Nitrogen, Cobalt, Copper, Total Alkalinity, Lead, Nitrate&Nitrite

### Electric Log:
- **m³/day**

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Well Field Verified:** No

### AEP Data:
- **Yes**

**Water Well Positioned by PFRA in 10TM NAD 27**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Remarks:*
General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Investigation
Completed Depth 4.9 (m)
NPWL (m): 2.4 Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:
ph (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
 Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electrical Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

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**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07848

**Well Owner:** Whitwood Mines #C3f

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 785

**Licence No.:** EAP: 396369

**Easting:** 36,771.91

**Northing:** 5,934,901.50

**Date Started:**

**Date Completed:**

printed on 2/20/98
# Well Information

**Well Number:** 07849  
**Well Owner:** Alta Env #1760e Nest #4  
**Drilling Contractor:** Alberta Environment  
**Elevation (AMSL) (m):** 779  
**AEP:** 401649

- **Licence No.:** Easting: 32,755.89  
- **Date Started:** 12 Sep 77  
- **Northing:** 5,934,895.50  
- **Date Completed:** 13 Sep 77

## General Information

**Type of Work:** New Well  
**Drilling Method:** Unknown  
**Well Use:** Investigation  
**Completed Depth:** 23.8 (m)  
**NPWL (m):** 17.1  
**Verified NPWL (m):**  
**Abandonment:**  
**Casing:**  
- **Type:**  
- **Depth (m):**  
- **Bottom (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
**Seal Type:** Cement/Grout  
- **from (m):**  
- **to:**

## Liner Information

**Type:**  
**OD (mm):** 101.6  
**Thickmess (mm):**  
**Top (m):**  
**Bottom (m):** 23.8  
**Perforated How:** Machine  
- **from (m):** 22.3  
- **to:** 23.8  
- **Size:**

## Screen Information

**Material:**  
**OD (mm):**  
**from (m):**  
- **to:**  
**Size:**

## Open Hole Information

**from (m):**  
**to:**

## Pump Information

**Model:**  
**Intake (m):**  
**Rate (lpm):** 3.4  
**Time (minute):** 360.0  
**Level End (m):** 19.8  
**Drawdown (m):** 2.4  
**Rec'd Rate (lpm):**

## Laboratory Analysis

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## Electric Log Information

**Transmissivity:** m³/day  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.00H  
**AEP Data:** Yes  
**Well Field Verified:** No

## Remarks

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 30.5 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Type:**
  - **Depth (m):**
  - **Bottom (m):**
- **OD (mm):**
  - **Thickness (mm):**
- **Seal Type:**
  - **from (m):**
  - **to**

**Casing:**
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
  - **from (m):**
  - **to**

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to**
  - **Size:**
  - **from (m):**
  - **to**
  - **Size:**
  - **from (m):**
  - **to**
  - **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to**
  - **Size:**
  - **from (m):**
  - **to**
  - **Size:**

**Open Hole:**
- **from (m):**
- **to**

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **Vanadium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth**

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**Electric Log:** Yes
**Transmissivity:** m²/day
**Gamma Log:** Yes
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

Type of Work: **Test Hole**  
Drilling Method: **Unknown**  
Well Use: **Investigation**  
Completed Depth: 21.9 (m)  
NPWL (m): 17.3  
Veriﬁed NPWL (m):  
Abandonment: 

**Casing:**

Type: **Plastic**  
Depth (m):  
OD (mm): 50.8  
Thickn ess (mm):  
Seal Type: from (m): to 

**Liner:**

Type:  
OD (mm):  
Thickness (mm):  
Top (m):  
Bottom (m):  
Perforated How: from (m): to 
Size: 
from (m): to 
Size: 
from (m): to 
Size: 

**Screen:**

Material:  
OD (mm):  
from (m): to 
Size:  
from (m): to 
Size:  
from (m): to 
Size:  

**Open Hole:**

from (m): to 

**Pump:**

Model:  
Intake (m):  

**Testing:**

Rate (lpm):  
Time (minute): 720.0  
Level End (m):  
Drawdown (m):  
Rec’d intake (m):  
Rec’d Rate (lpm):  

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**Electric Log:** No  
Transmissivity:  
m²/day  
Gamma Log: Yes  
Storativity:  
Aquifer Test: No  
Project: Database: 1.000H  
AEP Data: Yes  
Well Field Verified: No  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

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**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbohydrate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 07852**
- Elevation (AMSL) (m): 779
- Licence No.: 396428
- Date Started: 33,755.89
- Date Completed: 5,934,895.50

- **Well Owner:** Whitwood Mines #4c
- **Drilling Contractor:** Alberta Environment

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

- (No Lithologic Information Available)

**Well Use:**
- **Database:** Project: 1.000H
- **AEP Data:** Well Field Verified: No
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 12.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- from (m): to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- | pH (pH unit) | COD |
- | Cond. (µS/cm) | SAR | Nickel |
- | TDS | TKN | Selenium |
- | Sodium | Nitrate | Strontium |
- | Potassium | Nitrite | Molybdenum |
- | Calcium | TN | Vanadium |
- | Magnesium | TC | Zinc |
- | Carbonate | DIC | Hydroxide |
- | Bicarbonate | Arsenic | Total Hardness |
- | Aluminium | Barium | Manganese |
- | Sulphate | Beryllium | Phosphate |
- | Chloride | Cadmium | Ion Balance |
- | Fluoride | Chromium | Amm. Nitrogen |
- | Iron | Cobalt | Total Phosphate |
- | TOC | Copper | Total Alkalinity |
- | Silica | Lead | Nitrate

### Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 19.2 (m)
- **NPWL (m):** 18.1
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thicknes (mm):**
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:** from (m): to Size:

## Open Hole:
- **Model:**
- **Intake (m):**

## Pump:
- **Rate (lpm):**
- **Time (minute):** 720.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):** COD
- **SAR:** TDS
- **TKN:** Sodium
- **Nitrate:** Potassium
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates & Nitrites N:**
- **Silica:**
- **COD:**
- **Mercery:**
- **Nickel:**
- **Selenium:**
- **Phosphate:**
- **Cadmium:**
- **Iron:**
- **Copper:**
- **Lead:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** Yes
**Storativity:**
**Aquifer Test:** No
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 23.2 m
- **NPWL (m):** 16.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Cement/Grout
- **from (m):** to 20.4

### Liner:
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Top (m):** Bottom (m): 23.2
- **Perforated How:** Machine
- **from (m):** 21.6 to 23.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 4.6
- **Time (minute):** 520.0
- **Level End (m):** 18.3
- **Drawdown (m):** 1.8
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Lithologic Description:
- ** Depth (m) | (m) | Lithologic Description |
- **3.4 | 770.8 | Clay Sandy Brownish Yellow**
- **4.9 | 768.2 | Clay Sandy Brownish Yellow**
- **5.2 | 768.9 | Gravel**
- **6.1 | 768.0 | Clay & Coal Wapiti Brownish Gr**
- **12.2 | 761.9 | Clay & Coal Sandy Brownish Gre**
- **18.3 | 755.8 | Clay & Coal Sandy Brownish Gre**
- **19.2 | 754.9 | Clay Sandy Green**
- **19.8 | 754.3 | Coal Black**
- **21.0 | 753.1 | Shale Carbonaceous Dark Brown**
- **22.9 | 751.2 | Coal Black**
- **23.2 | 750.9 | Shale Carbonaceous Dark Brown**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 28.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm): from (m):
- **Seal Type:** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):** from (m): to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log: Yes  Transmissivity: m²/day
### Gamma Log: Yes  Storativity:
### Aquifer Test: No  Project: Database: 1.000H
### AEP Data: Yes  Well Field Verified: No

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

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<th>NPWL (m):</th>
<th>Verified NPWL (m):</th>
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<th>Abandonment:</th>
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### Casing:
- **Type:**
  - Depth (m):
  - OD (mm): Thickness (mm):
- **Seal Type:**
  - from (m):
  - to:

### Liner:
- **Type:**
  - OD (mm): Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m):
  - to:
  - Size:
- **Screen:**
  - Material:
  - OD (mm):
  - from (m):
  - to:
  - Size:
- **Open Hole:**
  - from (m):
  - to:

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Testing:
- **Electric Log:** Yes
- **Gamma Log:** Yes
- **Aquifer Test:** No
- **Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Laboratory:
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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<td>Cond. (µS/cm)</td>
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<td>Iron</td>
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<td>TOC</td>
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<td>Silicon</td>
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### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
### General
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 152.4 m
- **NPWL (m):**
- **Abandonment:** Cement
- **Date Started:** 29 Sep 77

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole
- **from (m): to**

### Pump
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TKN Selenium**
- **Sodium Nitrate Strontium**
- **Potassium Nitrite Molybdenum**
- **Calcium TN Vanadium**
- **Magnesium TC Zinc**
- **Carbonate DIC Hydroxide**
- **Bicarbonate Arsenic Total Hardness**
- **Barium Manganese**
- **Sulphate Beryllium Phosphate**
- **Chloride Cadmium Ion Balance**
- **Fluoride Chromium Amm. Nitrogen**
- **Iron Cobalt Total Phosphate**
- **TOC Copper Total Alkalinity**
- **Silica Lead Nitrate&Nitrite N**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 20.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:** from (m): to Size:
- **Open Hole:** from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COND. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Cadmium:**
- **Copper:**
- **Lead:**
- **Iron:**
- **Total Hardness:**
- **Arsenic:**
- **Total Phosphate:**
- **Barium:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite:**

### Lithologic Description:
- **Depth (m):**
- **Elevation (m):**
- **Description:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **TOC:**
- **DIC:**
- **Bicarbonate:**
- **Total Hardness:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### AEP Data:
- **Well Field Verified:** Yes
- **Database:** 1.000H

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
## General

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<td>Drilling Contractor</td>
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<td>Elevation (AMSL) (m):</td>
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## Depth Elevation (BGL) (AMSL) (m) | Lithologic Description

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<td>771.7</td>
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## Laboratory

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## Remarks

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:
- **Type of Work:** Coal Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 22.3 (m)
- **NPWL (m):** 12.0
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth:** 19.5 (m) **Bottom (m):** 19.5
- **OD (mm):** 168.4
- **Thickness (mm):**
- **Seal Type:** Cement/Grout
  - **from (m):** to 19.5

## Liner:
- **Type:**
- **OD (mm):** 101.6 **Thickness (mm):**
- **Top (m):** **Bottom (m):** 22.3
- **Perforated How:** Machine
  - **from (m):** to 22.3 **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):** 60.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec’d Rate (lpm):**

## Laboratory:
- **18 Jan 78**
- **pH (pH unit):** 7.60
- **COD:**
- **SAR:**
- **TDS:** 475.0
- **TN:**
- **TKN:**
- **Sodium:** 14.95
- **Nitrate:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **bicarbonate:** 508.82
- **Barium:**
- **Manganese:** 0.30
- **Silicate:**
- **Chloride:**
- **Bicarbonate:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

## Lithologic Description:
- **Depth:**
  - **Elevation (BGL):** (m) **Elevation (AMSL):** (m)
  - **3.7:** 775.4 Clay Sandy Brown
  - **4.3:** 774.8 Coal Black
  - **11.9:** 767.2 Clay Sandy Brown
  - **12.2:** 766.9 Gravel
  - **18.6:** 760.5 Clay Sandy Brownish Yellow
  - **20.7:** 758.4 Shale Carbonaceous Brown
  - **21.9:** 757.1 Shale Black
  - **22.3:** 756.8 Shale Carbonaceous Brown

## Chemical Constituents:
- **COD:**
- **pH:** (pH unit)
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrate:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Bicarbonate:**
- **Nitrate:**
- **Amm. Nitrogen:**
- **Phosphate:**
- **Total Alkalinity:**
- **Barium:**
- **Phosphate:**
- **Sulphate:**
- **Iron:**
- **Copper:**
- **Sulphate:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **Silica:**

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

*Water Well Positioned by Mow-Tech in 10TM NAD 27*
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

<table>
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<tr>
<th>Completed Depth</th>
<th>Elevation Depth</th>
<th>Lithologic Description</th>
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<tr>
<td>11.3 m</td>
<td>(m)</td>
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<tr>
<td>NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
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</table>

**Casing:**
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Yes
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
**General:**

- **Well Use:** Investigation
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Completed Depth:** 14.0 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):**
- **OD (mm):** 50.8
- ** Thickness (mm):**
- **Seal Type:**
  - from (m):
  - to

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Open Hole:**

- **from (m):**
- **to**

**Pump:**

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**

<table>
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<tr>
<th>Chemical Constituents</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
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</tr>
<tr>
<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Sodium</td>
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</tr>
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</tr>
<tr>
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<td>Silicone</td>
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<tr>
<td>Lead</td>
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**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<tr>
<th>(BGL)</th>
<th>(AMSL)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
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</tbody>
</table>

**Removal:**

- Electric Log: No
- Gamma Log: Yes
- Aquifer Test: No
- AEP Data: Yes
- Well Field Verified: No

**Database:** 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number: 07866**

### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (AMSL) (m)</th>
<th>Lithologic Description</th>
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<tr>
<td>3.1</td>
<td>769.4</td>
<td>Coal Clayey Black</td>
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<td>6.1</td>
<td>766.3</td>
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<td>7.6</td>
<td>764.8</td>
<td>Sand &amp; Gravel</td>
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<td>9.1</td>
<td>763.3</td>
<td>Sand Argillaceous Dark Gray</td>
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<td>13.7</td>
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<td>16.8</td>
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### Depth Elevation (BGL) (AMSL)

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<tr>
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<tbody>
<tr>
<td>769.4</td>
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<td>761.7</td>
<td>758.7</td>
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<td>757.2</td>
<td>755.7</td>
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### Electric Log & Gamma Log
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquitard:** Yes
- **Aquifer Test:** No
- **Electric Log:** No
- **Gamma Log:** Yes

### Laboratory

<table>
<thead>
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<th>Chemical Constituents</th>
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<td>Selenium</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>DIC</td>
<td>Nitrate &amp; Nitrite N</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 07867

Well Owner: Whitewood Mines #6b
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 772
Licence No.: 396378
Date Started: Easting: 32,974.97
Date Completed: Northing: 5,933,608.50

General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Investigation
Completed Depth: 78.3 (m)
NPWL (m): 2.2 Verified NPWL (m):
Abandonment:

Casing:
Type: Depth (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type: OD (mm):
Top (m):
Perforated How:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Level End (m): Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
17 Dec 71
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS 1444 TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite 0.08 Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness 20.00
Aluminum Barium Manganese
Sulphate 276.17 Beryllium Phosphate
Chloride 9.93 Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron 3.94 Cobalt Total Phosphate
TOC Copper Total Alkalinity 781.0
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07868

**Well Owner:** Whitewood Mines #6c

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 772

**Licence No.:** 396384

**Date Started:**

**Northing:** 5,933,608.50

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<td>from (m):</td>
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<td>Rate (lpm):</td>
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<td>Drawdown (m):</td>
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<td>Rec'd Rate (lpm):</td>
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<td>COD</td>
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<td>Cond. (µS/cm):</td>
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<td>Silica:</td>
<td>Lead</td>
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**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** Yes

**Storativity:**

**Aquifer Test:** No

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 25.6 m
- **NPWL (m):** 18.0
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** Bottom (m):
  - **OD (mm):** 50.8
  - **Thickness (mm):**
  - **Seal Type:** from (m): to

### Casing:
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):** Thickness (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 320.0
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Yes Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07869

**Well Owner:** Whitewood Mines #7a

**Date Started:**

**Date Completed:**

**Elevation (AMSL) (m):** 774

**Easting:** 33,003.61

**Northing:** 5,934,186.50

**Licence No.:** AEP: 396394

**Printed on:** 2/20/98
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 18.9 (m)
- **NPWL (m):** 17.5
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 07870**
- **Well Owner:** Whitewood Mines #7b
- **Elevation (AMSL) (m):** 774
- **AEP:** 396400
- **Licence No.:** Easting: 33,003.61
- **Date Started:** Northing: 5,934,186.50
- **Date Completed:**

**Database:** Project: 1.000H

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 15.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m):
    - to

### Casing:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Bottom (m):**

### Screen:
- **Material:**
- **OD (mm):**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

### Open Hole:
- from (m):
- to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Electric Log:** No
- **Transmissivity:** m²/day

### Gamma Log:
- **Gamma Log:** No
- **Storativity:**

### Aquifer Test:
- **Aquifer Test:** No
- **Project:** Database: 1.000H

### AEP Data:
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

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**Well Number 07871**

- **Well Owner:** Whitewood Mines #A11
- **Drilling Contractor:** Alberta Environment
- **Elevation (AMSL) (m):** 774
- **AEP:** 396630
- **Licence No.:**
- **Easting:** 33,003.61
- **Date Started:**
- **Northing:** 5,934,186.50
- **Date Completed:** 24 Jul 77

---

**Depth Elevation**

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<th>(m)</th>
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<td>1.5</td>
<td>772.5 Sand Medium Grained Gray</td>
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<tr>
<td>3.1</td>
<td>771.0 Sand Medium Grained Brownish G</td>
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<td>5.5</td>
<td>768.5 Sand Medium Grained Brownish G</td>
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<tr>
<td>5.8</td>
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<td>8.2</td>
<td>765.8 Clay Carbonaceous Dark Gray</td>
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<td>9.1</td>
<td>764.9 Sand Fine Grained Greenish Graz</td>
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<td>9.8</td>
<td>764.3 Clay &amp; Sand Carbonaceous Dark</td>
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<td>13.7</td>
<td>760.3 Sand &amp; Gravel Medium Grained L</td>
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<td>14.6</td>
<td>759.4 Sand Bentonitic Light Green</td>
</tr>
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</table>

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 16.1 m
- **NPWL (m):** 772.9
- **Verified NPWL (m):** 772.9

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>1.2</td>
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<td>4.0</td>
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<td>6.7</td>
<td>767.4</td>
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<tr>
<td>13.7</td>
<td>760.4</td>
<td>Sand &amp; Till Gravelly Greenish</td>
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<tr>
<td>14.3</td>
<td>759.8</td>
<td>Clay &amp; Sand Sandy Greenish Gra</td>
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<tr>
<td>15.2</td>
<td>758.9</td>
<td>Sand &amp; Till Gravelly Greenish</td>
</tr>
<tr>
<td>16.1</td>
<td>758.0</td>
<td>Siltstone Black</td>
</tr>
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</table>

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to  
  - from (m): to  
  - from (m): to  

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:  

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to  
  - from (m): to  
  - from (m): to  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec’d Rate (lpm):**

### Chemical Constituents

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrile N</td>
</tr>
</tbody>
</table>

### Electric Log: No  
- **Transmissivity:** m²/day  
- **Gamma Log: No**  
- **Storativity:**  
- **Aquifer Test: No**  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on 2/20/98*
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 9.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

**Liner:**
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
  - **OD (mm):** from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No Transmissivity: m²/day
**Gamma Log:** No Storativity:
**Aquifer Test:** No Project: Database: 1.000H
**AEP Data:** Yes Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation

### Casing:
- **Completed Depth:** 15.2 m
- **NPWL:** Verified NPWL
- **Abandonment:**
  - **Depth (m):**
  - **OD (mm):**
  - **Seal Type:**
    - **from (m):**
    - **Thickness (mm):**
    - **to:**

### Lithologic Description:

<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tr>
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<td>Clay &amp; Shale Carbonaceous Blac</td>
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<td>775.9</td>
<td>Clay &amp; Coal Sandy Dark Gray</td>
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<td>12.2</td>
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<tr>
<td>15.2</td>
<td>771.3</td>
<td>Till &amp; Clay Sandy</td>
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</table>

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
- **Thickness (mm):**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:**
  - **Yes** Well Field Verified: **No**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07874

**Elevation (AMSL):** 787

**Licence No.:** 396620

**Date Started:** 33.410.77

**Nothing:** 5,934,808.50

**Date Completed:** 23 Jul 77
**Well Number:** 07875

**Well Owner:** Whitwood Mines #5c

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 774

**Licence No.:** Easting: 33,008.66

**Date Started:** Northing: 5,934,398.00

**Date Completed:**

---

**General:**

- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 19.5 (m)
- **NPWL (m):** 16.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** Time (minute): 500.0
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:** Barium Manganese
- **Potassium:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphorus
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** Yes

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
### General:
- **Well Owner:** Whitwood Mines #7b1
- **Drilling Contractor:** Alberta Environment
- **Elevation (AMSL) (m):** 774
- **AEP:** 396401
- **Licence No.:** Easting: 33,003.61
- **Date Started:** Northing: 5,934,186.50
- **Date Completed:**

### Depth Elevation

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<th>AMSL</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(No Lithologic Information Available)</td>
</tr>
</tbody>
</table>

### Casing:
- **Type:** Plastic
- **Depth (m):** 9.8
- **OD (mm):** 50.8
- **Shell Type:**
  - from (m): to
- **Seal:**
  - from (m): to

### Liner:
- **Type:**
  - OD (mm):
  - from (m): to
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m): to
  - Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to
  - Size:
- **Open Hole:**
  - from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Beryllium:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Ion Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Copper:**
- **Total Phosphate:**
- **Nickel:**
- **Molybdenum:**
- **Lead:**
- **Nitrates & Nitrates:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:**
- **Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 23.2 (m)
- **NPWL (m):** 18.0
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** from (m): to
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:** Material:
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:
- **Open Hole:** from (m): to
- **Pump:** Model:
- **Rate (lpm):** Intake (m):
- **Testing:** Time (minute): 440.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):
- **Laboratory:**
  - pH (pH unit) COD Mercury
  - Cond. (µS/cm) SAR Nickel
  - TDS TKN Selenium
  - Sodium Nitrate Strontium
  - Potassium Nitrite Molybdenum
  - Calcium TN Vanadium
  - Magnesium TC Zinc
  - Carbonate DIC Hydroxide
  - Bicarbonate Arsenic Total Hardness
  - Aluminium Barium Manganese
  - Sulphate Beryllium Phosphate
  - Chloride Cadmium Ion Balance
  - Fluoride Chromium Amm. Nitrogen
  - Iron Cobalt Total Phosphate
  - TOC Copper Total Alkalinity
  - Silica Lead Nitrate&Nitrite
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Remarks:**

### Depth Elevation (BGL) (AMSL)

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(No Lithologic Information Available)</td>
</tr>
</tbody>
</table>

### Well Number 07877
- **Well Owner:** Whitwood Mines #7c
- **Elevation (AMSL) (m):** 774
- **Licence No.:** Easting: 33,003.61
- **Drilling Contractor:** Alberta Environment
- **Northing:** 5,934,186.50
- **Date Started:**
- **Date Completed:**
- **AEP:** 396403
- **Database:** 1.000H
- **AEP Data:** Yes Well Field Verified: No
- **Aquifer Test:** No
- **Gamma Log:** Yes Storativity:
- **Electric Log:** No Transmissivity: m³/day
- **Project:**

---

*Water Well Positioned by PFRA in 10TM NAD 27*
**NE 15-053-04 W5M**

**Well Number:** 07878

**Well Owner:** Monenco Trans-Alta Utilities

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 780

**AEP:** 351062

**Licence No.:**

**Date Started:** 30 Oct 89

**Easting:** 332081.18

**Date Completed:** 30 Oct 89

**Northing:** 5934618.50

---

**General:**

Type of Work: **New Well**

Drilling Method: **Rotary**

Well Use: **Stock**

Completed Depth: **45.7** (m)

NPWL (m): **10.4**

**Abandonment:**

**Casing:**

Type: **Steel**

Depth (m): **21.3**

Bottom (m): **21.3**

OD (mm): **139.7**

Thickness (mm): **0.1**

Seal Type: **Driven**

from (m): **to 21.3**

**Liner:**

Type: **Driven**

OD (mm): **114.3**

Thickness (mm): **0.1**

Top (m): **140.0**

Bottom (m): **45.7**

**Perforated How:** **Torch**

from (m): **to 45.7**

Size:

from (m): **to**

Size:

from (m): **to**

Size:

**Screen:**

Material:

OD (mm):

from (m): **to**

Size:

from (m): **to**

Size:

Open Hole:

from (m): **to**

**Pump:**

Model: **Intake (m): 45.7**

**Testing:**

Rate (lpm): **114.0**

Time (minute): **120.0**

Level End (m): **45.7**

Drawdown (m): **35.4**

Rec’d intake (m): **Rec’d Rate (lpm): 114.0**

---

**Laboratory:**

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<th>Value</th>
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<td>Cond. (µS/cm)</td>
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</tr>
<tr>
<td>TDS</td>
<td></td>
</tr>
<tr>
<td>Sodium</td>
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</tr>
<tr>
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<tr>
<td>Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Nitrate &amp; Nitrite N</td>
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</tr>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 22.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size: from (m): to Size: from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size: from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- ** Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrile N

### Depth Elevation (BGL) (AMSL) Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>3.1</td>
<td>773.4</td>
<td>Clay &amp; Coal Sandy Black</td>
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<tr>
<td>4.3</td>
<td>772.2</td>
<td>Sand Clayey Brownish Gray</td>
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<tr>
<td>6.1</td>
<td>770.4</td>
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<td>7.9</td>
<td>768.6</td>
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<tr>
<td>8.8</td>
<td>767.6</td>
<td>Sand Brownish Green</td>
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<td>9.1</td>
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<td>Coal Black</td>
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<tr>
<td>10.7</td>
<td>765.8</td>
<td>Sand Brownish Gray</td>
</tr>
<tr>
<td>12.2</td>
<td>764.3</td>
<td>Sand &amp; Clay Brownish Gr</td>
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<tr>
<td>14.9</td>
<td>761.5</td>
<td>Sand &amp; Coal Black</td>
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<tr>
<td>15.2</td>
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<td>Clay &amp; Coal Sandy Dark Gray</td>
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<td>20.4</td>
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<td>Organic Matter Light Red</td>
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<td>22.3</td>
<td>754.2</td>
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<tr>
<td>22.9</td>
<td>753.6</td>
<td>Coal</td>
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</table>

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number: 07879**

- **Elevation (AMSL) (m):** 776
- **AEP:** 396627
- **Licence No.:** Easting: 35,214.07
- **Date Started:** Northing: 5,933,803.00
- **Date Completed:** 23 Jul 77
Well Number: 07880

**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 22.9 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Information:**
- **Elevation (AMSL) (m):** 776
- **AEP:** 396631
- **Licence No.:** Easting: 33,214.07
- **Date Started:** Northing: 5,933,803.00
- **Date Completed:** 24 Jul 77
- **Well Owner:** Whitewood Mines #A12
- **Drilling Contractor:** Alberta Environment

**Depth Elevation (BGL) (AMSL):**
- 1.5 775.0 Sand Medium Grained Brownish G
- 6.1 770.4 Sand & Gravel Medium Grained B
- 8.5 767.9 Sand Medium Grained Brownish G
- 10.7 765.8 Sand Fine Grained Greenish Gra
- 11.0 765.5 Sand Clayey Greenish Gray
- 11.6 764.9 Sand Oxidized Brownish Green
- 12.5 764.0 Clay & Coal Black
- 16.1 760.3 Sand Medium Grained Brownish G
- 17.7 758.8 Sand & Till Clayey Dark Brown
- 18.0 758.5 Sand & Gravel Coarse Grained B
- 19.8 756.7 Sand & Gravel Clayey Dark Brow
- 20.4 756.1 Sand Clayey Dark Brown
- 21.0 755.4 Sand Medium Grained Brownish G
- 21.3 755.1 Sand Clayey Dark Brown
- 22.9 753.6 Till & Clay Sandy Dark Brown

**Water Well Positioned by PFRA in 10TM NAD 27**
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 10.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Rate (lpm):** Intake (m):

## Testing:
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: **1.000H**
- **AEP Data:** Yes Well Field Verified: No

## Depth Elevation (BGL) (AMSL)
<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
<td>1.5 Sand &amp; Gravel Coarse Grained D</td>
<td>775.0</td>
<td>774.0</td>
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<td>4.6 Clay &amp; Coal Black</td>
<td>771.9</td>
<td>767.0</td>
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<td>6.1 Clay &amp; Coal Sandy Black</td>
<td>770.4</td>
<td>769.0</td>
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<td>9.4 Clay &amp; Coal Black</td>
<td>767.0</td>
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<td>10.7 Clay Bentonitic Dark Gray</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**SE 15-053-04 W5M**

**Well Number:** 07882

**Well Owner:** Whitewood Mines #A15

**Drilling Contractor:** Alberta Environment

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<tr>
<th>Well Use</th>
<th>Licence No.</th>
<th>Date Started</th>
<th>Date Completed</th>
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<tr>
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<td>26 Jul 77</td>
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**Elevation (AMSL) (m):** 776

**Well Number:** 07882

**Licence No.:** Easting: 33.214.07

**Drilling Contractor:** Northing: 5,933,803.00

**Date Started:**

**Date Completed:**

### General:

- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 22.9 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Perforated How:**
- **Top (m):** Bottom (m):
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):**

### Laboratory:

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Nickel</td>
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<td>TKN</td>
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<tr>
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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
</tr>
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</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H

### AEP Data:

- **Yes** Well Field Verified: No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Remarks:**

---

**Printed on 2/20/98**
## General:

**Type of Work:** Test Hole  
**Drilling Method:** Auger  
**Well Use:** Investigation  
**Completed Depth:** 19.8 m  
**NPWL (m):**  
**Verified NPWL (m):**  
**Abandonment:**

### Casing:

**Type:**  
**Depth (m):**  
**Bottom (m):**  
**OD (mm):**  
**Thickness (mm):**  
**Seal Type:** from (m) to  
**Seal OD (mm):**  
**Seal Thickness (mm):**

### Liner:

**Type:**  
**OD (mm):**  
**Thickness (mm):**  
**Top (m):**  
**Bottom (m):**

### Perforated How:

**from (m) to**  
**Size:**

### Screen:

**Material:**  
**OD (mm):**  
**Thickness (mm):**  
**from (m) to**  
**Size:**

### Open Hole:

**from (m) to**

### Pump:

**Model:**  
**Intake (m):**

### Testing:

**Rate (lpm):**  
**Time (minute):**

**Level End (m):**  
**Drawdown (m):**

**Rec’d intake (m):**  
**Rec’d Rate (lpm):**

### Laboratory:

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### Electric Log:

**Transmissivity:**  
**Gamma Log:**  
**Aquifer Test:**  
**Project:**  
**Database:** 1.000H

### Remarks:

*Chemical Constituents are in mg/l (ppm). Except as noted.*

---

**Well Number 07883**  
**Elevation (AMSL) (m):** 776  
**AEP:** 396623  
**Licence No.:**  
**Date Started:**  
**Easting:** 32214.07  
**Northing:** 5933803.00

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Combination
- **Well Use:** Investigation
- **Completed Depth:** 29.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:**
  - **Depth (m):**
  - **OD (mm):**
  - **Seal Type:**
    - from (m):
    - to
- **Liner:**
  - **Type:**
  - **OD (mm):**
  - **Top (m):**
  - **Perforated How:**
    - from (m): to
    - Size: 
  - **Screen:**
    - **Material:**
    - **OD (mm):**
      - from (m): to
      - Size: 
    - **Open Hole:**
      - from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Lithologic Description:
- **0.6 791.0** Clay & Sand Coarse Grained Bro
- **2.4 789.1** Clay Sandy Brownish Green
- **5.2 786.4** Clay Sandy Brownish Green
- **8.8 782.7** Gravel
- **10.7 780.9** Sandstone Brownish Yellow
- **12.8 778.8** Sandstone Coarse Grained Brown
- **14.0 777.6** Unknown
- **17.4 774.2** Sandstone Coarse Grained Brown
- **25.6 766.0** Unknown
- **29.6 762.0** Sandstone Coarse Grained Light

### Laboratory:
- **pH (pH unit)**
- **COD**
- **SAR**
- **TDS**
- **TKN**
- **Sodium**
- **Nitrate**
- **Strontium**
- **Potassium**
- **Nitrite**
- **Molybdenum**
- **Calcium**
- **TN**
- **Magnesium**
- **TC**
- **Hydroxide**
- **Carbonate**
- **DIC**
- **Bicarbonate**
- **Arsenic**
- **Total Hardness**
- **Aluminium**
- **Barium**
- **Manganese**
- **Sulphate**
- **Beryllium**
- **Phosphate**
- **Chloride**
- **Cadmium**
- **Ion Balance**
- **Fluoride**
- **Chromium**
- **Amm. Nitrogen**
- **Iron**
- **Cobalt**
- **Total Phosphate**
- **TOC**
- **Copper**
- **Total Alkalinity**
- **Silica**
- **Lead**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:**
- **Well Field Verified:**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:
- **Type of Work:** Piezometer
- **Well Use:** Investigation
- **Completed Depth (m):** 
- **NPWL (m):** 
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **17 Aug 78**
- **pH (pH unit):** 8.00 COD Mercury
- **Cond. (µS/cm):** 535.0 SAR Nickel
- **TDS:** 9.00 TKN Selenium
- **Sodium:** 5.98 Nitrate Strontium
- **Potassium:** 1.96 Nitrite Molybdenum
- **Calcium:** 63.93 TN Vanadium
- **Magnesium:** 30.04 TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** 358.74 Arsenic Total Hardness 285.00
- **Aluminum:** Barium Manganese 0.35
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** 0.12 Chromium Amm. Nitrogen
- **Iron:** 0.33 Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity 295.0
- **Silica:** 18.30 Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H

### AEP Data:
- **Well Field Verified:** No

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
## General:
- **Type of Work:** Piezometer
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **15 Aug 78**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** Piezometer
- **Well Use:** Investigation
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- to:
- **Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- to:
- **Size:**
- **from (m):**
- to:
- **Size:**
- **from (m):**
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- **Size:**
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- **from (m):**
- to:
- **Opening Hole:**
- **from (m):**
- **Model:**
- **Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**
- **Laboratory:**
- **pH (pH unit):** 10.6
- **Cond. (µS/cm):** 349.0
- **TDS:** 181.0
- **Sodium:** 19.09
- **Potassium:** 5403.62
- **Calcium:**
- **Magnesium:**
- **Carbamate:** 53.10
- **Bicarbonate:**
- **Aluminum:** 0.13
- **Nitrate:**
- **Sulphate:** 40.83
- **Chloride:** 2.13
- **Fluoride:** 0.10
- **Iron:** 0.15
- **TOC:**
- **Silica:** 11.30
- **COD:**
- **SAR:** 0.15
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- **TOC:**
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- **Amm. Nitrogen:**
- **Fluoride:**
- **Transmissivity:**
- **m³/day**
- **Storativity:**
- **Aquifer Test:**
- **Database:**
- **Project:**
- **AEP Data:**
- **Yes**
- **Well Field Verified:**
- **No**
- **Remarks:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**

- **Type of Work:** Piezometer
- **Well Use:** Investigation
- **Drilling Method:** Unknown
- **Completed Depth:** (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**
- **Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
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- **Size:**
- **Screen:**
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- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **Open Hole:**
- **from (m):**
- **to:**
- **Pump:**
- **Model:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:** 18 Jul 78

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

| Lithologic Description | (No Lithologic Information Available) |

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number:** 07889

**Well Owner:** Unknown

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 790

**Licence No.:** 790

**Date Started:**

**Drilling Contractor:** Norther

**Date Completed:**

**Easting:** 30,563.57

**Northing:** 5,934,603.57

---

**General:**

- **Type of Work:** Piezometer
- **Drilling Method:** Auger
- **Well Use:** Investigation

**Completed Depth:** 3.1 (m)

**NPWL (m):**

- **Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickmess (mm):**

**Seal Type:**

- **from (m):**
- **to:**

**Liner:**

- **Type:**
- **OD (mm):** 50.8
- **Thickness (mm):**

**Perforated How:**

- **from (m):**
- **to:**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

---

**Laboratory:** 19 Jul 78

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</tr>
<tr>
<td>Ion Balance</td>
<td></td>
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<tr>
<td>Strontium</td>
<td></td>
<td></td>
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<tr>
<td>Strontium</td>
<td></td>
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<tr>
<td>Phosphate</td>
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<tr>
<td>Molybdenum</td>
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<tr>
<td>Total Phosphate</td>
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<td>vanadium</td>
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<tr>
<td>Total Alkalinity</td>
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<tr>
<td>Calcium</td>
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<tr>
<td>Nitrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrite</td>
<td></td>
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<tr>
<td>Phosphate</td>
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<tr>
<td>Iron</td>
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</tr>
<tr>
<td>Copper</td>
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<td>Zinc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
**Well Number:** 07890

- **Well Owner:** Unknown
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 790
- **AEP:** 443850
- **Licence No.:** Easting: 30,563.57
- **Date Started:** Northing: 5,934,605.57
- **Date Completed:**

### General:
- **Type of Work:** Piezometer
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth (m):** 42.1
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Top (m):** Bottom (m): 41.8
- **Perforated How:**
- **from (m):** to 41.8
- **Size:**
- **from (m):** to 41.8
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** 8.00
- **Cond. (µS/cm):** 714.0
- **TDS:** 415.0
- **Sodium:** 83.03
- **Nitrate:** 19.16
- **Potassium:** 54.91
- **Calcium:** 13.98
- **Magnesium:** 54.91
- **Sulfate:** 17.77
- **Chloride:** 2.13
- **Fluoride:** 0.08
- **Iron:** 0.03
- **TOC:** 22.20
- **Silica:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Electric Log:**
- **Gamma Log:**
- **Aquifer Test:**
- **Database:** 1.000H
- **AEP Data:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm), Except as noted.

*Water Well Positioned by Mow-Tech in 10TM NAD 27*

*Printed on 2/20/98*
NW 16-053-04 W5M

Well Number: 07891

Well Owner: C Centre Gas Station
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 793

Licence No.: 365265
Date Started: Easting: 30,436.21
Date Completed: Northing: 5,934,375.00

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic

Completed Depth (m):
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m):
- OD (mm):
- Seal Type:

Liner:
- Type:
- OD (mm):
- Top (m): Bottom (m):
- Perforated How:

Screen:
- Material:
- OD (mm):
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silicon: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
**NW 16-053-04 W5M**

**Well Owner:** Fording Coal Hole #5 Well #2  
**Drilling Contractor:** Summer's Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>Drilling Method: Bored</td>
<td><strong>42.1</strong></td>
<td><strong>751.1</strong></td>
</tr>
<tr>
<td>Well Use: Dewatering</td>
<td><strong>11.6</strong></td>
<td><strong>11.6</strong></td>
</tr>
<tr>
<td>Completed Depth 42.1 (m)</td>
<td><strong>635.0</strong></td>
<td><strong>0.0</strong></td>
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<tr>
<td>NPWL (m):</td>
<td></td>
<td></td>
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<tr>
<td>Verified NPWL (m):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**
- **Type:** Galvanized Steel  
  - **Depth (m):** 11.6  
  - **Bottom (m):** 11.6  
- **OD (mm):** 635.0  
- **Thickness (mm):** 0.0  
- **Seal Type:** from (m): to  
- **Liner:**
  - **Type:**  
  - **OD (mm):**  
  - **Thickness (mm):**  
  - **Top (m):**  
  - **Bottom (m):**  
  - **Perforated How:** from (m): to Size: from (m): to Size: from (m): to Size:  
- **Screen:**
  - **Material:**  
  - **OD (mm):** from (m): to Size: from (m): to Size: from (m): to Size:  
- **Open Hole:** from (m): to  
- **Pump:**
  - **Model:**  
  - **Intake (m):**  
- **Testing:**
  - **Rate (lpm):**  
  - **Time (minute):**  
  - **Level End (m):**  
  - **Drawdown (m):**  
  - **Rec'd intake (m):**  
  - **Rec'd Rate (lpm):**  
- **Laboratory:**
  - **pH (pH unit):**  
  - **COD:** Mercury  
  - **Cond. (µS/cm):** SAR Nickel  
  - **TKS:** Selen  
  - **Sodium:** Nitrate Strontium  
  - **Potassium:** Nitrite Molybdenum  
  - **Calcium:** TN Vanadium  
  - **Magnesium:** TC Zinc  
  - **Carbonate:** DIC Hydroxide  
  - **Bicarbonate:** Arsenic Total Hardness  
  - **Aluminum:** Barium Manganese  
  - **Sulphate:** Beryllium Phosphate  
  - **Chloride:** Cadmium Ion Balance  
  - **Fluoride:** Chromium Amm. Nitrogen  
  - **Iron:** Cobalt Total Phosphate  
  - **TOC:** Copper Total Alkalinity  
  - **Silica:** Lead Nitrate&Nitrite N  
- **Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**AEP Data:** Yes  
**Well Field Verified:** No

**Well Number 07892**

**Elevation (AMSL) (m):** 793  
**AEP:** 350351  
**Licence No.:**  
**Date Started:** 05 Apr 89  
**Date Completed:** 05 Apr 89  
**Easting:** 30,436.21  
**Northing:** 5,934,375.00
**NW 16-053-04 W5M**

**Well Number:** 07893

**Well Owner:** Fording Coal Well #1 Hole #4

**Drilling Contractor:** Summer's Drilling Ltd.

**Elevation (AMSL) (m):** 793

**AEP:** 350350

**Licence No.:** Easting: 30,436.21

**Date Started:** Northing: 5,934,375.00

**Date Completed:** 04 Apr 89

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Dewatering
- **Completed Depth:** 42.1 (m)
- **NPWL (m):** 793
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 11.6
- **Bottom (m):** 11.6
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **Size:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **Size:**
- **Size:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Magnesium:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.2</td>
<td>759.9</td>
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<tr>
<td>33.5</td>
<td>759.6</td>
</tr>
<tr>
<td>35.0</td>
<td>758.1</td>
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<tr>
<td>35.4</td>
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<td>36.6</td>
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<td>36.9</td>
<td>756.3</td>
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<td>38.1</td>
<td>755.1</td>
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<td>38.7</td>
<td>754.5</td>
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<td>39.6</td>
<td>753.5</td>
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<td>40.5</td>
<td>752.6</td>
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<tr>
<td>41.2</td>
<td>752.0</td>
</tr>
<tr>
<td>42.1</td>
<td>751.1</td>
</tr>
</tbody>
</table>

**Lithologic Description**

- Coal
- Bentonite
- Coal
- Bentonite
- Coal
- Bentonite
- Coal
- Shale Brown
- Coal Brown
- Coal
- Shale & Coal Brown
- Shale Green

---

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
**NW 16-053-04 W5M**

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Dewatering
- **Completed Depth:** 42.4 (m)
- **NPWL (m):** 41.9
- **Veriﬁed NPWL (m):** 42.4
- **Abandonment:**

**Casing:**

- **Type:** Galvanized Steel
- **Depth (m):** 11.9
- **Bottom (m):** 11.9
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:**
  - **from (m):** to

**Liner:**

- **Type:**
  - **OD (mm):**
    - **Top (m):**
  - **Thickness (mm):**
  - **Perforated How:**
    - **from (m):** to
    - **Size:**
    - **Size:**
    - **Size:**

**Screen:**

- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **Size:**
  - **Bottom (m):**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Rec'd intake (m):**

**Laboratory:**

- **pH (pH unit):** COD
  - **SAR:** Nickel
  - **TKN:** Selenium
  - **Nitrate:** Strontium
  - **Nitrite:** Molybdenum
  - **TN:** Vanadium
  - **TC:** Zinc
  - **DIC:** Hydroxide
  - **Bicarbonate:** Arsenic
  - **Barium:** Total Hardness
  - **Magnesium:** Total Alkalinity
  - **Sulphate:** Phosphate
  - **Chloride:** Ion Balance
  - **Fluoride:** Amm. Nitrogen
  - **Iron:** Cobalt
  - **TOC:** Copper
  - **Silica:** Lead
  - **Nitrates:** Nitrate&Nitrite

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 07894**

- **Elevation (AMSL) (m):** 793
- **AEP: 350110**
- **Licence No.:** Easting: 30,436.21
- **Date Started:** Northing: 5,834,375.00
- **Date Completed:** 06 Apr 89

**Depth Elevation**

- **(BGL) (AMSL)**
  - **41.2 752.0** Unknown
  - **42.4 750.8** Shale Green

**Electric Log:** No
- **Transmissivitly:** m²/day
**Gamma Log:** No
- **Storativity:**
**Aquifer Test:** No
- **Project:** Database: 1.000H
**AEP Data:** Yes
- **Well Field Verified:** No

*Water Well Positioned by PFRA in 10TM NAD 27*
NW 16-053-04 W5M

Well Number 07895

Well Owner: Fording Coal Well #4 Hole #1
Drilling Contractor: Summer's Drilling Ltd.

Elevation (AMSL) (m): 793
AEP: 350111
Licence No.: Easting: 30,436.21
Date Started: 16 Mar 89
Northing: 5,834,375.00
Date Completed: 16 Mar 89

General:
- Type of Work: New Well
- Drilling Method: Bored
- Well Use: Dewatering

Completed Depth: 41.5 (m)
- NPWL (m): 30,436.21
- Verified NPWL (m): 30,436.21
- Abandonment:

Casing:
- Type: Galvanized Steel
  - Depth (m): 11.0
  - Bottom (m): 11.0
- OD (mm): 635.0
- Thickness (mm): 0.0
- Seal Type: to

Liner:
- Type: Galvanized Steel
  - OD (mm): to
  - Thickness (mm): to
  - Top (m): to
  - Bottom (m): to

Screen:
- Material:
  - OD (mm): to
  - from (m): to
  - Size: to

Open Hole:
- OD (mm): to

Pump:
- Model: to
  - Intake (m): to

Testing:
- Rate (lpm): to
  - Time (minute): to
  - Level End (m): to
  - Rec'd intake (m): to
  - Rec'd Rate (lpm): to

Laboratory:
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: Nickel
- Sodium: Selenium
- Nitrate: Strontium
- Potassium: Molybdenum
- Calcium: Vanadium
- Magnesium: Zinc
- Calcium: Hydroxide
- Carbonate: Arsenic
- Bicarbonate: Total Hardness
- Barium: Manganese
- Sulphate: Beryllium
- Chloride: Phosphate
- Fluoride: Cadmium
- Iron: Amm. Nitrogen
- TOC: Cobalt
- Silicon: Total Phosphate
- TOC: Total Alkalinity
- Silicon: Lead
- TOC: Nitrate&Nitrite

Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Dewatering
- **Completed Depth:** 44.2 (m)
  - NPWL (m): 3501.1
  - Verified NPWL (m):
- **Abandonment:**
  - Type: Galvanized Steel
  - Depth (m): 13.7
  - Bottom (m): 13.7
  - OD (mm): 635.0
  - Thickness (mm):
  - Seal Type: from (m): to
  - Liner:
    - OD (mm):
      - Thickness (mm):
      - Top (m): Bottom (m):
      - perforated How:
        - from (m): to
        - Size:
    - Screen:
      - Material:
        - OD (mm):
          - from (m): to
          - Size:
          - from (m): to
          - Size:
    - Open Hole:
      - from (m): to
  - Pump:
    - Model: Intake (m):
    - Testing:
      - Rec'd Rate (lpm):
      - Time (minute):
      - Level End (m):
      - Drawdown (m):
  - Laboratory:
    - pH (pH unit) COD Mercury
    - Cond. (µS/cm) SAR Nickel
    - TDS TKN Selenium
    - Sodium Nitrate Strontium
    - Potassium Nitrite Molybdenum
    - Calcium TN Vanadium
    - Magnesium TC Zinc
    - Carbonate DIC Hydroxide
    - Bicarbonate Arsenic Total Hardness
    - Aluminum Barium Manganese
    - Sulphate Beryllium Phosphate
    - Chloride Cadmium Ion Balance
    - Fluoride Chromium Amm. Nitrogen
    - Iron Cobalt Total Phosphate
    - TOC Copper Total Alkalinity
    - Silica Lead Nitrate & Nitrite
- **Remarks:**
  Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
- (BGL) (AMSL) (m) (m) **Lithologic Description**
  - 42.1 751.1 Fill
  - 44.2 749.0 Shale Green

**Well Details:**
- **Well Number:** 07896
- **Well Owner:** Forging Coal Well #6 Hole #3
- **Drilling Contractor:** Summer's Drilling Ltd.
- **Elevation (AMSL) (m):** 793
- **AEP:** 350113
- **License No.:**
- **Easting:** 30,436.21
- **Nothing:** 5,934,375.00
- **Date Started:** 20 Mar 89
- **Date Completed:** 20 Mar 89
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**NW 16-053-04 W5M**

Well Number: **07897**

**Well Owner: Fording Coal Well #6 Hole #5**

Drilling Contractor: **Summer's Drilling Ltd.**

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<thead>
<tr>
<th>Elevation (AMSL) (m): 793</th>
<th>AEP: 350112</th>
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<tbody>
<tr>
<td>Licence No.:</td>
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<td>Easting:</td>
<td>30,436.21</td>
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<td>Northing:</td>
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<td>Date Started:</td>
<td>17 Mar 89</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>17 Mar 89</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Dewatering
- **Completed Depth:** 44.2 m
- **NPWL (m):** 756.9
- **Verified NPWL (m):** 756.9
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 13.7
- **Bottom (m):** 13.7
- **OD (mm):** 635.0
- **Thickness (mm):** 0.0
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 15.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
  - **from (m):** to

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:** Selenium
- **Sodium:** Strontium
- **Nitrate:** Molybdenum
- **Potassium:** Vanadium
- **Calcium:** Zinc
- **Magnesium:** Hydroxide
- **Carbonate:** Arsenic
- **Bicarbonate:** Total Hardness
- **Barium:** Manganese
- **Sulphate:** Phosphate
- **Beryllium:** Ion Balance
- **Chloride:** Ammonium Nitrogen
- **Fluoride:** Cobalt
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Lead
- **Nitrate & Nitrite N:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

## Depth Elevation (BGL) (AMSL) (m) Lithologic Description

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## Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 07899

Well Owner: Callioux, Howard
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 796
AEP: 368635
Licence No.: Date Started:
Easting: 29,439.26 Northing: 5,934,187.50
Date Completed:

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<td>Casing:</td>
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<td>from (m): to</td>
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Laboratory:

- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**15-17-053-04 W5M**

**Well Owner:** Trans Alta #Dw 94 05

**Drilling Contractor:** Midwest Water Well Ltd.

**Depth Elevation**

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<th>Lithologic Description</th>
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**Laboratory:**

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<td>Cond. (µS/cm)</td>
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<td>Lead</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*printed on 2/20/98*
**SW 17-053-04 W5M**

**Well Owner:** *Fording Coal Ltd/Trans Alta*

**Drilling Contractor:** *Mid-West Drilling Ltd.*

**Elevation (AMSL) (m):** 794  
**AEP: 443148**

**Licence No.:**  
**Easting: 29,018.37**

**Date Started:** 11 Jan 96  
**Northing: 5,933,932.00**

**Date Completed:** 11 Jan 96

---

### General:
- **Type of Work:** *New Well*
- **Drilling Method:** *Rotary*
- **Well Use:** *Dewatering*
- **Completed Depth:** 37.2 (m)
- **NPWL (m):** 18.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** *Steel*
  - **Depth (m):** 20.4
  - **Bottom (m):** 20.4
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1
- **Seal Type:** *Driven*
  - **from (m):** 19.2
  - **to:** 19.5

### Liner:
- **Type:**
  - **OD (mm):** 125.7
  - **Thickness (mm):** 0.1
- **Top (m):** 16.5
- **Bottom (m):** 37.2

### Perforated How:
- **Machine**
  - **from (m):** 16.5
  - **to:** 37.2

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **to:** Size:
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 114.0
- **Time (minute):** 120.0

### Testing:
- **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H

### Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

printed on 2/20/98
**Well Number: 07902**

**SW 17-053-04 W5M**

*Well Owner:* Fording Coal/Trans Alta  
*Drilling Contractor:* Mid-West Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Dewatering

- **Completed Depth:** 41.5 (m)  
- **NPWL (m):** 24.4  
- **Verified NPWL (m):**

### Abandonment:

### Casing:
- **Type:** Steel  
- **Depth (m):** 20.1  
- **Bottom (m):** 20.1  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 19.2 to 19.5

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 17.1  
- **Bottom (m):** 41.5  
- **Perforated How:** Machine  
- **from (m):** 17.1 to 41.5  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 36.6

### Testing:
- **Rate (lpm):** 228.1  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):** 228.1

### Electric Log: No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

### Aquifer Test: No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Selenium:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
## General:
- **Type of Work**: Piezometer
- **Drilling Method**: Drilled
- **Well Use**: Investigation
- **Completed Depth**: 38.1 m
- **NPWL (m)**: Verified NPWL (m): 20 Nov 75

## Casing:
- **Type**: Plastic
- **Depth (m)**: Bottom (m):
- **OD (mm)**: 25.4
- **Seal Type**: to

## Liner:
- **Type**: Plastic
- **Depth (m)**: Bottom (m):
- **OD (mm)**: Thickness (mm):
- **Perforated How**: from (m): to Size:

## Screen:
- **Material**: Plastic
- **OD (mm)**: from (m): to Size:

## Open Hole:
- **from (m)**: to

## Pump:
- **Model**: Intake (m):
- **Testing**:
  - **Rate (lpm)**: Time (minute):

## Laboratory:
- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminum**
- **Arsenic**
- **Barium**
- **Beryllium**
- **Chloride**
- **Chromium**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **Laboratory**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Depth Elevation (BGL) (AMSL)

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>0.6</td>
<td>771.2</td>
<td>Clay</td>
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<td>4.9</td>
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<td>744.4</td>
<td>Shale Dark Gray</td>
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<td>35.0</td>
<td>736.7</td>
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</tr>
<tr>
<td>38.1</td>
<td>733.7</td>
<td>Siltstone Sandy</td>
</tr>
</tbody>
</table>

## Electric Log:
- **Yes**
- **Transmissivity**: m²/day
- **Gamma Log**: No
- **Storativity**:
- **Aquifer Test**: No
- **Project**: Database: 1.000H
- **AEP Data**: Yes
- **Well Field Verified**: No

---

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 33.3
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 40.8  Bottom (m): 40.8
- **OD (mm):** 139.7  Thickness (mm): 0.1
- **Seal Type:** Driven
- **from (m):** 40.2  to  40.5

**Liner:**
- **Type:** Steel
- **OD (mm):** 114.3  Thickness (mm): 0.1
- **Top (m):** 39.6  Bottom (m): 91.4
- **Perforated How:** Hand Drill
- **from (m):** 39.6  to  91.4  Size:  
- **from (m):** to  Size:  
- **from (m):** to  Size:  

**Screen:**
- **Material:** Steel
- **OD (mm):**
  - **from (m):** to  Size:  
  - **from (m):** to  Size:  

**Open Hole:**
- **from (m):** to

**Pump:** Sub
  - **Intake (m):** 61.0

**Testing:**
- **Rate (lpm):** 63.9  **Time (minute):** 120.0
- **Level End (m):** 38.7  **Drawdown (m):** 5.4
- **Rec’d intake (m):** 61.0  **Rec’d Rate (lpm):** 63.9

**Laboratory:**
- **pH (pH unit):**  
- **COD:**  
- **Mercury:**  
- **SAR:**  
- **Nickel:**  
- **TKN:**  
- **Selenium:**  
- **Nitrate:**  
- **Sodium:**  
- **Sulphate:**  
- **Calcium:**  
- **TC:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sodium:**  
- **Chrome:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07905

**Well Owner:** Bamber, Roy/Hilda

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 798

**Licence No.:** 369024

**Date Started:**

**Date Completed:**

**Easting:** 27,165.27

**Northing:** 5,934,802.00

### General:

| Type of Work: | Chemistry |
| Drilling Method: | Drilled |
| Well Use: | Domestic |

**Completed Depth (m):** 134.1

**NPWL (m):** 22.9

**Verified NPWL (m):**

**Abandonment:**

### Casing:

| Type: | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: | to |

### Liner:

| Type: | Thickness (mm): |
| OD (mm): | Top (m): Bottom (m): |

**Perforated How:**

| from (m): to | Size: |
| from (m): to | Size: |
| from (m): to | Size: |

### Screen:

| Material: | Size: |
| OD (mm): | from (m): to |
| from (m): to | Size: |

### Open Hole:

| from (m): to | |

### Pump:

| Model: | Intake (m): |

### Testing:

| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

### Laboratory:

| pH (pH unit): | COD: Mercury |
| Cond. (µS/cm): | SAR: Nickel |
| TDS: | TKN: Selenium |
| Sodium: | Nitrate: Strontium |
| Potassium: | Nitrite: Molybdenum |
| Calcium: | TN: Vanadium |
| Magnesium: | TC: Zinc |
| Carbonate: | DIC: Hydroxide |
| Bicarbonate: | Arsenic: Total Hardness |
| Aluminium: | Barium: Manganese |
| Sulphate: | Beryllium: Phosphate |
| Chloride: | Cadmium: Ion Balance |
| Fluoride: | Chromium: Amm. Nitrogen |
| Iron: | Cobalt: Total Phosphate |
| TOC: | Copper: Total Alkalinity |
| Silica: | Lead: Nitrate&Nitrite N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

| No | Transmissivity: m²/day |

### Gamma Log:

| No | Storativity: |

### Aquifer Test:

| No | |

**Electric Log:**

**Gamma Log:**

**Aquifer Test:**

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
SE 18-053-04 W5M

Well Owner: Macdonald, Jim
Drilling Contractor: Unknown Driller

Well Number: 07906
Elevation (AMSL) (m): 790
AEP: 356925
Licence No.: Easting: 28,322.83
Date Started: Northing: 5,933,562.26
Date Completed:  

General:
- Type of Work: Spring
- Drilling Method: Not Applicable
- Well Use: Domestic
- Completed Depth: (m)
  - NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
  - from (m): to

Liner:
- Type:
- OD (mm):
  - Thickness (mm):
- Top (m):
  - Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

Screen:
- Material:
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.
**SW 18-053-04 W5M**

**Well Owner:** Groves, Tom A/M.L  

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Type of Work: New Well</td>
<td></td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td></td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td></td>
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<tr>
<td>Completed Depth</td>
<td>28.7 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>2.1</td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

**Casing:**

| Type: Galvanized Steel |  |
| Depth (m): | 11.9  |
| Bottom (m): | 11.9  |
| OD (mm): | 114.3  |
| Thickness (mm): |  |
| Seal Type: |  to  |

**Liner:**

| Type: |  |
| OD (mm): |  |
| Thickness (mm): |  |
| Top (m): |  |
| Bottom (m): |  |
| Perforated How: |  |
| from (m): |  |
| to (m): |  |
| Size: |  |
| from (m): |  |
| to (m): |  |
| Size: |  |
| from (m): |  |
| to (m): |  |
| Size: |  |

**Screen:**

| Material: St |  |
| OD (mm): | 1.2  |
| from (m): | 11.9  |
| to (m): | 13.4  |
| Size: | 0.02  |
| Top (m): |  |
| Bottom (m): |  |
| Open Hole: |  |
| from (m): |  |
| to (m): |  |

**Pump:**

| Model: |  |
| Intake (m): |  |

**Testing:**

| Rate (lpm): | 16.0  |
| Intake (m): |  |
| Time (minute): | 420.0 |
| Level End (m): | 7.6  |
| Drawdown (m): | 5.5  |
| Rec'd intake (m): |  |
| Rec'd Rate (lpm): |  |

**Laboratory:**

| pH (pH unit): |  |
| COD |  |
| Cond. (µS/cm): |  |
| SAR |  |
| TDS |  |
| TKN |  |
| Sodium |  |
| Nitrate |  |
| Strontium |  |
| Potassium |  |
| Nitrite |  |
| Molybdenum |  |
| Calcium |  |
| TN |  |
| Vanadium |  |
| Magnesium |  |
| TC |  |
| Zinc |  |
| Carbonate |  |
| DIC |  |
| Hydroxide |  |
| Bicarbonate |  |
| Arsenic |  |
| Total Hardness |  |
| Aluminum |  |
| Barium |  |
| Manganese |  |
| Sulphate |  |
| Beryllium |  |
| Phosphate |  |
| Chloride |  |
| Cadmium |  |
| Ion Balance |  |
| Fluoride |  |
| Chromium |  |
| Amm. Nitrogen |  |
| Iron |  |
| Cobalt |  |
| Total Phosphate |  |
| TOC |  |
| Copper |  |
| Total Alkalinity |  |
| TOC |  |
| Lead |  |
| Nitrate&Nitrite N |  |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 47.6 (m)
  - NPWL (m): 30.5
  - Verified NPWL (m):
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 14.3
  - **Bottom (m):** 14.3
  - **OD (mm):** 177.8
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** to 14.3
- **Liner:**
  - **Type:**
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
  - **Top (m):** 12.2
  - **Bottom (m):** 47.6
- **Perforated How:** Machine
  - **from (m):** 12.2
  - **to:** 47.6
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 47.6
  - **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
  - **Level End (m):** 47.6
  - **Drawdown (m):** 17.1
  - **Rec'd intake (m):** 39.9
  - **Rec'd Rate (lpm):** 182.4

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Barium:**
- **Cadmium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrates:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Amm. Nitrogen:**
- **Phosphate:**
- **Phosphorus:**
- **Boron:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **Total Alkalinity:**

**Electric Log:**
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
  - **Storativity:**
  - **Project:**
  - **Database:** 1.000H

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 49.7 m
- **NPWL (m):** 22.9
- **Verified NPWL (m):** 22.9
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 13.7
- **Bottom (m):** 13.7
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 13.7

### Liner:
- **Type:**
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Top (m):** 11.3
- **Bottom (m):** 49.7
- **Perforated How:** Machine
- **from (m):** to 49.7
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
- **from (m):** to

### Pump:
- **Model:** Intake (m): 49.7

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 49.7
- **Drawdown (m):** 26.8
- **Rec'd Rate (lpm):** 42.1
- **Rec'd intake (m):** 49.7

### Laboratory:
- **COD:** Mercury
- **pH (pH unit):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:** Strontium
- **Nitrate:**
- **Nitrite:** Molybdenum
- **Potassium:**
- **Calcium:** Vanadium
- **Magnesium:** Zinc
- **TC:**
- **DIC:** Hydroxide
- **Bicarbonate:** Arsenic
- **Aluminum:** Total Hardness
- **Barium:** Manganese
- **Beryllium:** Phosphate
- **Beryllium:** Phosphate
- **Chloride:** Ion Balance
- **Cadmium:** Amm. Nitrogen
- **Copper:** Total Phosphate
- **Silica:** Lead
- **Total Alkalinity:**
- **Nitrate:**
- **Nitrite:**
- **Open Hole:**
- **aload:**
- **Lab:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

### Depth Elevation

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<th>Elevation (BGL) (m)</th>
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<tr>
<td>4.6</td>
<td>785.8 Clay</td>
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<tr>
<td>11.6</td>
<td>778.8 Sand &amp; Gravel</td>
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<tr>
<td>13.4</td>
<td>777.0 Sandstone</td>
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<tr>
<td>16.1</td>
<td>774.3 Coal</td>
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<tr>
<td>20.4</td>
<td>770.0 Shale Gray</td>
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<td>22.9</td>
<td>767.5 Siltstone</td>
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<tr>
<td>27.4</td>
<td>763.0 Shale Gray</td>
</tr>
<tr>
<td>28.0</td>
<td>762.4 Coal</td>
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<td>28.4</td>
<td>762.1 Shale Brown</td>
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<td>758.7 Coal</td>
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<td>32.6</td>
<td>757.8 Shale Brown</td>
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<td>32.9</td>
<td>757.5 Coal</td>
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<td>756.9 Coal</td>
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<td>754.4 Coal</td>
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<td>49.7</td>
<td>740.7 Sandstone</td>
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### Lithologic Description

- **Type of Work:** New Well
- **Well Use:** Industrial
- **Completed Depth:** 49.7 m
- **NPWL (m):** 22.9
- **Abandonment:**

### Electric Log:
- **No**

### Transmissivity:
- **m²/day**

### Gamma Log:
- **Yes**

### Storativity:
- **%**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

### Chemical Constituents are in mg/l (ppm). Except as noted.
08-20-053-04 W5M

Well Owner: Trans Alta
Drilling Contractor: Midwest Water Well Ltd.

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<th>General:</th>
</tr>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Industrial</td>
</tr>
<tr>
<td>Completed Depth: 51.2 (m)</td>
</tr>
<tr>
<td>NPWL (m): 27.4</td>
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<td>Abandonment:</td>
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<thead>
<tr>
<th>Casing:</th>
</tr>
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<tbody>
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<td>Type: Steel</td>
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<tr>
<td>Depth (m): 19.5</td>
</tr>
<tr>
<td>Bottom (m): 19.5</td>
</tr>
<tr>
<td>OD (mm): 177.8</td>
</tr>
<tr>
<td>Thickness (mm): 0.1</td>
</tr>
<tr>
<td>Seal Type: Driven</td>
</tr>
<tr>
<td>from (m): to 19.5</td>
</tr>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
</tr>
<tr>
<td>OD (mm): 141.2</td>
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<tr>
<td>Thickness (mm): 0.1</td>
</tr>
<tr>
<td>Top (m): 17.4</td>
</tr>
<tr>
<td>Bottom (m): 51.2</td>
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<tr>
<td>Perforated How: Machine</td>
</tr>
<tr>
<td>from (m): to 51.2</td>
</tr>
<tr>
<td>Size:</td>
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<td>OD (mm):</td>
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<tr>
<td>from (m): to Size:</td>
</tr>
<tr>
<td>from (m): to Size:</td>
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<table>
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<th>Open Hole:</th>
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<table>
<thead>
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<th>Pump:</th>
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<tbody>
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<tr>
<td>Intake (m): 51.2</td>
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<tr>
<td>Testing:</td>
</tr>
<tr>
<td>Rate (lpm): 22.8</td>
</tr>
<tr>
<td>Time (minute): 120.0</td>
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<tr>
<td>Level End (m): 51.2</td>
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<tr>
<td>Drawdown (m): 23.8</td>
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<tr>
<td>Rec'd intake (m): 43.9</td>
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<tr>
<td>Rec'd Rate (lpm): 22.8</td>
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<table>
<thead>
<tr>
<th>Laboratory:</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (pH unit):</td>
</tr>
<tr>
<td>Cond. (µS/cm):</td>
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<tr>
<td>SAR:</td>
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<td>TOC:</td>
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<tr>
<td>Copper:</td>
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<td>Total Alkalinity:</td>
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<td>Silica:</td>
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<tr>
<td>Lead:</td>
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<td>Nitrate &amp; Nitrite N:</td>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

<table>
<thead>
<tr>
<th>Remarks:</th>
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<tbody>
<tr>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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<table>
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<tr>
<th>Depth</th>
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<td>(m)</td>
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<td>Clay Sandy</td>
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| Electric Log: No |
| Transmissivity: m²/day |
| Gamma Log: Yes |
| Storativity: |
| Aquifer Test: No |
| AEP Data: Yes |
| Project: Database: 1.000H |
| Remarks: Water Well Positioned by PFRA in 10TM NAD 27 |

Well Number: 07910

Elevation (AMSL) (m): 786
Licence No.: 368472
Date Started: 03 Mar 93
Easting: 30,157.90
Date Completed: 03 Mar 93
Northing: 5,935,600.00
**08-20-053-04 W5M**

**Well Owner:** Trans Alta

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 786

**AEP:** 367599

**Licence No.:** Easting: 30,157.90

**Date Started:** 21 Mar 93

**Norting:** 5,935,600.00

**Date Completed:** 21 Mar 93

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<td>Shale</td>
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**Laboratory:**

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<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
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<tr>
<td>Carbonate</td>
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<td>Bicarbonate</td>
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<td>Aluminium</td>
<td>Barium</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<td>Chloride</td>
<td>Cadmium</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
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<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
01-20-053-04 W5M

Well Owner: Trans Alta
Drilling Contractor: Midwest Water Well Ltd.

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<thead>
<tr>
<th>General:</th>
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<tr>
<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Industrial</td>
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<tr>
<td>Completed Depth 54.0 (m)</td>
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<td>NPWL (m): 33.5  Verified NPWL (m):</td>
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<td>Abandonment:</td>
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<tr>
<td>Casing:</td>
<td></td>
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<tr>
<td>Type: Steel</td>
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<tr>
<td>Depth (m): 18.6  Bottom (m): 18.6</td>
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<tr>
<td>OD (mm): 177.8  Thickness (mm): 0.1</td>
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<tr>
<td>Seal Type: Driven</td>
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<td>from (m):  to 18.6</td>
<td></td>
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<tr>
<td>Liner:</td>
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<tr>
<td>Type: Driven</td>
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<td>OD (mm): 141.2  Thickness (mm): 0.1</td>
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<td>Top (m): 16.1  Bottom (m): 54.0</td>
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<td>Material:</td>
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<td>from (m):  to Size:</td>
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<tr>
<td>Open Hole:</td>
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<tr>
<td>from (m):  to</td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
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<tr>
<td>Model:</td>
<td></td>
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<tr>
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<td>Testing:</td>
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<td>Rate (lpm): 20.5  Time (minute): 120.0</td>
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<td>Level End (m): 54.0  Drawdown (m): 20.4</td>
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<td>Rec’d intake (m): 46.0  Rec’d Rate (lpm): 18.2</td>
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<tr>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
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<td>TDS</td>
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<td>DIC</td>
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<td>Arsenic</td>
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<td>Aluminum</td>
<td>Barium</td>
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<td>Beryllium</td>
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<td>Chloride</td>
<td>Cadmium</td>
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<td>Fluoride</td>
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<td>Silica</td>
<td>Lead</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 54.3 m
- **NPWL (m):** 36.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 20.7
- **Bottom (m):** 20.7
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 20.7

### Liner:

- **Type:** Driven
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Top (m):** 18.6
- **Bottom (m):** 54.3
- **Perforated How:** Machine
- **from (m):** to 54.3
- **Size:**
- **from (m):** to Size:
  - **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):** 54.3
- **Testing:**
  - **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
  - **Level End (m):** 54.3
  - **Drawdown (m):** 18.3
  - **Rec'd intake (m):** 46.9
  - **Rec'd Rate (lpm):** 45.6

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 07913**

- **Elevation (AMSL) (m):** 786
- **AEP:** 367115
- **Licence No.:**
- **Date Started:** 01 Mar 93
- **Easting:** 30,153.12
- **Northing:** 5,935,200.00
- **Date Completed:** 01 Mar 93

### Depth Elevation

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<td>783.7 Clay</td>
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<td>769.4 Sand</td>
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<td>766.0 Sandstone Soft Brown</td>
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<td>23.5</td>
<td>763.0 Sandstone</td>
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<td>23.8</td>
<td>762.7 Shale Blue</td>
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<tr>
<td>24.4</td>
<td>762.1 Sandstone</td>
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<td>24.7</td>
<td>761.8 Shale Blue</td>
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<td>732.2 Sandstone</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**
**General:**  
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Industrial  
Completed Depth 54.3 (m)  
NPWL (m): 32.0  
Abandonment:  

**Casing:**  
Type: Steel  
Depth (m): 18.9  
OD (mm): 177.8  
Seal Type: Driven  
from (m): to 18.9  

**Liner:**  
Type:  
OD (mm): 141.2  
Top (m): 16.8  
Bottom (m): 54.3  
Perforated How: Machine  
from (m): to 54.3  
from (m): to Size:  
from (m): to Size:  

**Screen:**  
Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size:  

**Open Hole:**  
from (m): to  

**Pump:**  
Model:  
Intake (m): 54.3  

**Testing:**  
Rate (lpm): 114.0  
Time (minute): 120.0  
Level End (m): 54.3  
Drawdown (m): 22.3  
Rec'd intake (m): 46.9  
Rec'd Rate (lpm): 114.0  

**Laboratory:**  
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| Chemical Constituents are in mg/l (ppm). Except as noted.  

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: **Trans Alta #Dw 93 09**
Drilling Contractor: **Midwest Water Well Ltd.**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**01-20-053-04 W5M**

**Well Number: 07916**

**Well Owner:** Trans Alta #Dw 93 10  
**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 786  
**AEP:** 369476

**Licence No.:** Easting: 30,153.12  
**Date Started:** 28 May 93  
**Nothing:** 5,935,200.00  
**Date Completed:** 28 May 93

---

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<th><strong>Elevation</strong></th>
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<td><strong>(m)</strong></td>
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**Pump:**  
**Model:**  
**Intake (m):** 53.0  
**Testing:**  
**Rate (lpm):**  
**Time (minute):** 120.0  
**Level End (m):** 53.0  
**Drawdown (m):** 28.7  
**Rec'd intake (m):** 48.8  
**Rec'd Rate (lpm):** 27.4

---

**Laboratory:**  
**pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS:**  
**Sodium:**  
**Potassium:**  
**Calcium:**  
**Magnesium:**  
**Carbonate:**  
**Bicarbonate:**  
**Aluminium:**  
**Sulphate:**  
**Chloride:**  
**Fluoride:**  
**Iron:**  
**TOC:**  
**Silica:**  
**Lab:**  
**Chemical Constituents are in mg/l (ppm). Except as noted.**  
**Remarks:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**16-20-053-04 W5M**

Well Owner: **Trans Alta #Dw 94 01**
Drilling Contractor: **Midwest Water Well Ltd.**

**Well Number: 07917**

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Dewatering
- **Completed Depth:** 52.4 (m)
- **NPWL (m):** 20.0
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 17.7
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 17.7

**Liner:**
- **Type:** Driven
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Top (m):** 15.9
- **Bottom (m):** 52.4

**Perforated How:** Machine
- **from (m):** to 52.4
  - **Size:**
  - **from (m):** to
  - **Size:**

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **Size:**
    - **from (m):** to
    - **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 52.1

**Testing:**
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 52.4
- **Drawdown (m):** 32.4
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Dewatering
- **Completed Depth:** 52.4 (m)
- **NPWL (m):** 21.0
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 22.9
  - **Bottom (m):** 22.9
- **OD (mm):** 177.8
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): to 22.9

**Liner:**
- **Type:**
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
- **Top (m):** 20.1
  - **Bottom (m):** 52.4
- **Perforated How:** Machine
  - from (m): to 52.4
  - **Size:**
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):** 52.1
- **Testing:**
  - **Rate (lpm):** 68.4
  - **Time (minute):** 120.0
  - **Level End (m):** 52.4
  - **Drawdown (m):** 31.4
  - **Rec’ed intake (m):**
  - **Rec’ed Rate (lpm):** 68.4

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR
- **TKS:**
- **Sodium:** Nitrate
  - **Strontium:**
- **Potassium:** Nitrite
  - **Molybdenum:**
- **Calcium:** TN
  - **Vanadium:**
- **Magnesium:** TC
  - **Zinc:**
- **Carbonate:** DIC
  - **Hydroxide:**
- **Bicarbonate:** Arsenic
  - **Total Hardness:**
- **Aluminum:** Barium
  - **Manganese:**
- **Sulphate:** Beryllium
  - **Phosphate:**
- **Chloride:** Cadmium
  - **Ion Balance:**
- **Fluoride:** Chromium
  - **Amm. Nitrogen:**
- **Iron:** Cobalt
  - **Total Phosphate:**
- **TOC:** Copper
  - **Total Alkalinity:**
- **Silica:** Lead
  - **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

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**Depth Elevation**

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**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
Well Number: 07919

Well Owner: Trans Alta #Dw 94 03
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 786
AEP: 382935
Licence No.: Easting: 30,157.90
Date Started: 15 Apr 94
Northing: 5,935,600.00
Date Completed: 15 Apr 94

**General:**

- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Dewatering
- Completed Depth: 55.8 (m)
- NPWL (m): 20.0
- Verified NPWL (m):
- Abandonment:

**Casing:**

- Type: Steel
- Depth (m): 18.0
- Bottom (m): 18.0
- OD (mm): 168.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 18.0

**Liner:**

- Type:
- OD (mm): 141.2
- Thickness (mm): 0.1
- Top (m): 16.1
- Bottom (m): 55.8
- Perforated How: Machine
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**

- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- Model: Intake (m): 55.8
- Rate (lpm): 31.9
- Time (minute): 120.0
- Level End (m): 55.8
- Drawdown (m): 35.8
- Rec'd Rate (lpm): 31.9
- Rec'd intake (m):

**Laboratory:**

- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) (m) (m) (m)**

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<th>(m)</th>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Owner: **Trans Alta #Dw 94 04**

Drilling Contractor: **Midwest Water Well Ltd.**

**Well Number:** 07920

**Elevation (AMSL) (m):** 782

**Licence No.:**

**Date Started:** 14 Apr 94

**Date Completed:** 14 Apr 94

**AEP:** 382930

**Easting:** 29,732.02

**Northing:** 5,935,199.50

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Dewatering

**Completed Depth:** 51.8 (m)

**NPWL (m):** 21.0

**Verified NPWL (m):**

**Abandonment:**

- **Type:** Steel
- **Depth (m):** 24.1
- **Bottom (m):** 24.1
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** to 24.1

**Liner:**

- **Type:**
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Top (m):** 22.3
- **Bottom (m):** 51.8

**Perforated How:** Machine

**from (m):** 23.2 to 51.8

**Size:**

**from (m):**

**Size:**

**from (m):**

**Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to**

**Size:**

**from (m):**

**Size:**

**from (m):**

**Size:**

**Open Hole:**

**from (m):**

**Pump:**

- **Model:**
- **Intake (m):** 51.5

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 51.8
- **Drawdown (m):** 30.8
- **Rec’d Rate (lpm):** 45.6

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Transmissivity:**

**Gamma Log:** No

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**NE 20-053-04 W5M**

**Well Number:** 07921

**Well Owner:** Trans Alta #Dw 95 03  
Drilling Contractor: Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 788  
**AEP:** 414868  
**Licence No.:** 25,933.66  
**Date Started:** 17 Apr 95  
**Easting:** 5,936,218.00  
**Date Completed:** 17 Apr 95

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Dewatering  
- **Completed Depth:** 49.4 (m)  
- **NPWL (m):** 27.4  
- **Abandonment:**
  - **Type:** Steel  
  - **Depth (m):** 19.2  
  - **OD (mm):** 177.8  
  - **Thick (mm):** 0.1  
  - **Seal Type:** Driven  
  - **from (m):** to 19.2  
  - **Liner:**
    - **Type:** Steel  
    - **OD (mm):** 127.0  
    - **Thick (mm):** 0.1  
    - **Top (m):** 15.9  
    - **Bottom (m):** 49.4  
  - **Perforated How:** Machine  
  - **from (m):** to 49.4  
  - **Size:**  
  - **Screen:**
    - **Material:**
      - **OD (mm):**  
      - **from (m):** to Size  
    - **Open Hole:**
      - **from (m):** to  
  - **Pump:**
    - **Model:**  
    - **Intake (m):** 49.4  
  - **Testing:**
    - **Rate (lpm):** 27.4  
    - **Time (minute):** 120.0  
    - **Level End (m):** 49.4  
    - **Drawdown (m):** 22.0  
    - **Rec’d intake (m):**  
    - **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**  

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 20-053-04 W5M**

<table>
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<tr>
<th>Well Owner: Olsen, Steve</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Contractor: D&amp;D Water Well Drilling &amp; Services</td>
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**Well Number: 07922**

**Elevation (AMSL) (m):** 783  
**AEP: 369880**  
**Licence No.:**  
**Date Started:** 04 Jun 93  
**Easting:** 29,953.37  
**Date Completed:** 04 Jun 93  
**Northing:** 5,935,400.00

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 12.5 (m)
- **NPWL (m):** .6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 9.8  
**Bottom (m):** 9.8
- **OD (mm):** 152.4  
**Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 8.2

**Liner:**
- **Type:** Plastic
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 7.5
- **from (m):** to 9.8  
**Bottom (m):** 11.3  
**Size:** 0.01
- **from (m):** to 11.3  
**Size:**
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 11.3

**Testing:**
- **Rate (lpm):** 45.6  
**Time (minute):** 120.0
- **Level End (m):** 7.6  
**Drawdown (m):** 7.0
- **Rec'd intake (m):** 9.1  
**Rec'd Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **DIC:**
- **Selenium:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  
**Transmissivity:** m³/day
**Gamma Log:** No  
**Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H
**AEP Data:** Yes  
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
Well Owner: Trans Alta #Dw 95 01
Drilling Contractor: Midwest Water Well Ltd.

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Dewatering
Completed Depth 58.5 (m)
NPWL (m): 27.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 34.1 Bottom (m): 34.1
OD (mm): 177.8 Thickness (mm): 0.1
Seal Type: Driven
  from (m): to 31.4

Liner:
Type: OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 31.4 Bottom (m): 58.5
Perforated How: Machine
  from (m): to 58.5 Size:
  from (m): to Size:
  from (m): to Size:

Screen:
Material:
  OD (mm):
  from (m): to Size:
  from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 57.9
Testing:
Rate (lpm): 22.8 Time (minute): 120.0
Level End (m): 57.9 Drawdown (m): 30.5
Rec'd intake (m): Rec'd Rate (lpm):

Lab:

pH (pH unit)
Cond. (µS/cm)
TDS
Sodium
Potassium
Calcium
Magnesium
Carbonate
Bicarbonate
Aluminium
Sulphate
Chloride
Fluoride
Iron
TOC
Silica

COD
SAR
TKN
Nitrate
Nitrite
Barium
Beryllium
Cadmium
Cadmium
Arsenic
Atomic
Manganese
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead

Mercury
Nickel
Selenium
Strontium
Molybdenum
Vanadium
Zinc
Hydroxide
Total Hardness
Total Phosphate
Total Alkalinity
Nitrate
N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m) Lithologic Description
3.1 780.0 Clay
6.4 776.6 Sand & Gravel
25.9 757.1 Sand
27.4 755.6 Shale Gray
32.9 750.1 Sandstone
33.2 749.8 Shale Brown
35.0 748.0 Coal
36.9 746.2 Shale Gray
37.2 745.9 Coal
37.8 745.2 Shale Brown
40.8 742.2 Shale Brown
41.5 741.6 Shale Gray
41.8 741.3 Coal
42.1 741.0 Shale Bentonitic
42.7 740.4 Shale & Coal Carbonaceous
43.0 740.1 Shale Bentonitic
43.9 739.1 Shale Carbonaceous
45.1 737.9 Coal
46.3 736.7 Bentonite
47.6 735.5 Coal
48.2 734.9 Shale Green
50.3 732.7 Shale Gray
56.1 727.0 Sandstone
56.7 726.3 Shale Green
58.5 724.5 Shale Brown

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No

AEP Data: Yes Well Field Verified: No

Database: 1.000H

Project:
AEP: 414863
Licence No.: 20-053-04 W5M
Elevation (AMSL): 783
Date: 12 Apr 95

Water Well Number 07923

Easting: 29,953.37
Northing: 5,935,400.00

Printed on: 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Dewatering

### Lithologic Description

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<td>725.4</td>
<td>Shale Brown</td>
</tr>
</tbody>
</table>
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Combination
- **Well Use:** Investigation

**Completed Depth:** 59.1 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **Open Hole:** from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Observation
- Completed Depth: 18.3 m
- NPWL (m): 3.1
- Verified NPWL (m): 3.1
- Abandonment:

**Casing:**
- Type: Driven
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: Driven
- from (m): to 0.6

**Liner:**
- Type:的手钻
- OD (mm): 141.2
- Thickness (mm): 0.1
- Top (m): Bottom (m): 18.3
- Perforated How: Hand Drill
- from (m): to 18.3
- Size: Size: Size:

**Screen:**
- Material:  
- OD (mm):
- from (m): to Size:
- from (m): to Size:
- Open Hole:
- from (m): to

**Pump:**
- Model: Sub
- Intake (m):
- Testing:
- Rate (lpm): 18.2
- Time (minute): 120.0
- Level End (m): 18.3
- Drawdown (m): 15.2
- Rec’d intake (m): 16.1
- Rec’d Rate (lpm): 13.7

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Manganese
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 07927**

**Well Owner:** Fording Coal  
**Hole #2**

**Drilling Contractor:** Midwest Water Well Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(BGL) (AMSL) (m)</td>
<td>(m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>3.7</td>
<td>Coal</td>
</tr>
<tr>
<td><strong>Well Use:</strong> Observation</td>
<td>4.3</td>
<td>780.1</td>
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<tr>
<td><strong>Completed Depth</strong> 18.3 (m)</td>
<td>5.2</td>
<td>778.6</td>
</tr>
<tr>
<td><strong>NPWL (m):</strong> 3.1</td>
<td>5.5</td>
<td>778.3</td>
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<tr>
<td><strong>Verified NPWL (m):</strong></td>
<td>6.7</td>
<td>777.1</td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td>8.2</td>
<td>775.5</td>
</tr>
<tr>
<td><strong>Type:</strong></td>
<td>8.8</td>
<td>774.9</td>
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<tr>
<td><strong>Depth (m):</strong></td>
<td>10.7</td>
<td>773.1</td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td>12.5</td>
<td>771.3</td>
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<td><strong>Thickness (mm):</strong></td>
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<tr>
<td><strong>Seal Type:</strong> Driven</td>
<td>18.3</td>
<td>765.5</td>
</tr>
<tr>
<td><strong>from (m):</strong> to 0.6</td>
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<td></td>
</tr>
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| Liner: | |
| **Type:** | |
| **OD (mm):** 141.2 | |
| **Thickness (mm):** 0.1 | |
| **Top (m):** to 18.3 | |

| Screen: | |
| **Material:** | |
| **OD (mm):** | |
| **from (m):** to Size: | |
| **from (m):** to Size: | |

| Open Hole: | |
| **from (m):** to | |

| Pump: | |
| **Sub** | |
| **Model:** | Intake (m): |
| **Testing:** | |
| **Rate (lpm):** 18.2 | Time (minute): 120.0 |
| **Level End (m):** 18.3 | Drawdown (m): 15.2 |
| **Rec'd intake (m):** 16.1 | Rec'd Rate (lpm): 13.7 |

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number:** 07927

| Elevation (AMSL) (m): | 784 |
| AEP: | 355565 |
| Licence No.: | 04 Oct 90 |
| Date Started: | 04 Oct 90 |
| Northing: | 5,935,412.50 |
| Date Completed: | 04 Oct 90 |

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
**SW 21-053-04 W5M**  
Well Owner: **Fording Coal**  
Hole #: **3**  
Drilling Contractor: **Midwest Water Well Ltd.**  

**General:**  
Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Observation**  
Completed Depth: 18.3 (m)  
NPWL (m): 3.1  
Abandonment:  

**Casing:**  
Type:  
Depth (m): Bottom (m):  
OD (mm): Thickness (mm):  
Seal Type: **Driven**  
from (m): to 0.6  

**Liner:**  
Type:  
OD (mm): 141.2  
Top (m): Bottom (m): 18.3  
Perforated How: **Hand Drill**  
from (m): to 18.3 Size:  
from (m): to Size:  
from (m): to Size:  

**Screen:**  
Material:  
OD (mm):  
from (m): to Size:  
from (m): to Size:  

**Open Hole:**  
from (m): to  

**Pump:** **Sub**  
Model:  
Intake (m):  
Rate (lpm): 18.2  
Time (minute): 120.0  
Level End (m): 18.3  
Drawdown (m): 15.2  
Rec’d intake (m): 16.1  
Rec’d Rate (lpm): 13.7  

**Laboratory:**  
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium:  
- Potassium:  
- Calcium:  
- Magnesium:  
- Carbonate:  
- Bicarbonate:  
- Aluminium:  
- Sulphate:  
- Chloride:  
- Fluoride:  
- Iron:  
- TOC:  
- Silica:  

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**  
(BGL) (AMSL)  
(m) (m)  
Lithologic Description  
2.7 781.0 **Coal**  
3.7 780.1 **Shale Gray**  
5.2 778.6 **Coal**  
5.5 778.3 **Shale Brown**  
6.7 777.1 **Coal**  
7.0 776.8 **Shale Bentonitic**  
8.5 775.2 **Coal**  
9.1 774.6 **Shale Brown**  
10.7 773.1 **Coal**  
12.5 771.3 **Shale Gray**  
14.9 768.8 **Sandstone Fine Grained**  
18.3 765.5 **Sandstone Coarse Grained**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**AEP Data:**  
- Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No
**Well Number**: 07929

**Well Owner**: Alta Env #1687e (Nest#3 Area)

**Drilling Contractor**: Alberta Environment

**Elevation (AMSL) (m)**: 791

**AEP**: 401733

**Date Started**: 24 May 77

**Date Completed**: 24 May 77

**Licence No.**: Easting: 32,578.76

**Northing**: 5,935,012.41

---

**General**

- **Type of Work**: Test Hole-Abandoned
- **Drilling Method**: Rotary
- **Well Use**: Investigation
- **Completed Depth**: 12.2 (m)
- **NPWL (m)**: Verified NPWL (m):
- **Abandonment**: Unknown 24 May 77

**Casing**

- **Type**:
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
    - from (m): to

**Liner**

- **Type**:
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen**

- **Material**:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

**Open Hole**

- **from (m): to**

**Pump**

- **Model**: Intake (m):

**Testing**

- **Rate (lpm)**:
  - Time (minute):
  - Level End (m): Drawdown (m):
  - Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory**

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<tr>
<th>Parameter</th>
<th>COD</th>
<th>Mercury</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>TDS</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphates</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Electric Log**: Yes

**Gamma Log**: Yes

**Aquifer Test**: No

**Database**: 1.000H

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks**: Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:

- **Type of Work:** Test Hole
- **Drilling Method:** Rotary Investigation
- **Well Use:**
- **Completed Depth:** 24.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:

- **from (m):**
- **to:**

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **Aluminum:**
- **TOC:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Well Number 07930**

- **Well Owner:** Alta Env #1688e (Nest#3 Area)
- **Elevation (AMSL) (m):** 791
- **AEP: 401732**
- **Date Started:** 25 May 77
- **Easting:** 32,578.76
- **Nothig:** 5,935,177.50
- **Date Completed:** 25 May 77

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>785.2</td>
<td>Coal</td>
</tr>
<tr>
<td>9.1</td>
<td>782.2</td>
<td>Shale &amp; Coal</td>
</tr>
<tr>
<td>18.9</td>
<td>772.4</td>
<td>Clay &amp; Coal Sandy</td>
</tr>
<tr>
<td>21.3</td>
<td>770.0</td>
<td>Shale</td>
</tr>
<tr>
<td>24.4</td>
<td>766.9</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>

---

**Laboratory:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
03-22-053-04 W5M

Well Owner: Alta Env #1689e (Nest#3 Area)
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 791
AEP: 401734
Licence No.: Easting: 32,578.76
Date Started: 25 May 77
Northing: 5,935,012.41
Date Completed: 25 May 77

**General:**
- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 18.3 (m)
- **NPWL (m):**
- **Abandonment:** Unknown 25 May 77

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**Depth Elevation**

<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.3</td>
<td>772.4</td>
<td>Clay Sandy</td>
</tr>
</tbody>
</table>

**Electric Log:** No  
**Transmissivity:** m³/day
**Gamma Log:** Yes  
**Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H
**AEP Data:** Yes  
**Well Field Verified:** No
**Well Number:** 07932

**Well Owner:** Alta Env #1727e(Nest 2)

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 789

**AEP:** 401666

**Licence No.:** Easting: 33,410.64

**Date Started:** Northing: 5,935,201.50

**Date Completed:** 23 Aug 77

---

### Depth Elevation

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<th>Elevation (m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>6.1</td>
<td>782.4</td>
<td>Sand &amp; Shale Bentonitic Gray</td>
</tr>
<tr>
<td>10.7</td>
<td>777.9</td>
<td>Sand</td>
</tr>
<tr>
<td>15.2</td>
<td>773.3</td>
<td>Sand &amp; Coal</td>
</tr>
<tr>
<td>18.3</td>
<td>770.2</td>
<td>Sand</td>
</tr>
<tr>
<td>19.8</td>
<td>768.7</td>
<td>Shale &amp; Coal Bentonitic Gray</td>
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<td>24.4</td>
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<td>29.0</td>
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### Laboratory

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
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<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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<td>Sodium</td>
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<td>Sulphate</td>
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<td>Molybdenum</td>
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### Electric Log

- **Transmissivity:** m²/day
- **Storativity:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
  - **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**.printed on 2/20/98**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 18.9 m
- **NPWL:** 11.9 m
- **Abandonment:**

### Casing:
- **Type:** Unknown
- **Depth (m):** 16.8
- **Bottom (m):** 16.8
- **OD (mm):** 168.2
- **Thickness (mm):** 18.6
- **Seal Type:** Bentonite & Cement

### Liner:
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 18.6

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole:
- **OD (mm):**
- **Thickness (mm):**

### Pump:
- **Model:**
- **Intake (m):** 14.6

### Testing:
- **Rate (lpm):** 6.8
- **Time (minute):** 580.0
- **Level End (m):** 3.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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### Lithologic Description:
- 1.8 786.7 Clay Dark Gray
- 3.4 785.2 Clay & Coal Sandy Dark Gray
- 4.0 784.6 Muskeg Red
- 6.1 782.4 Clay & Sand Brownish Green
- 7.3 781.2 Clay Sandy Brownish Green
- 12.2 776.3 Clay & Sand Brownish Gray
- 16.8 771.8 Clay & Sand Brownish Green
- 17.4 771.2 Shale Carbonaceous Dark Gray
- 18.6 769.9 Coal Black
- 18.9 769.6 Shale Bentonitic Brownish Gree

### Well Number: 07933
- **Elevation (AMSL) (m):** 789
- **AEP:** 401665
- **Licence No.:** Easting: 33,410.64
- **Date Started:** Northing: 5,935.201.50
- **Date Completed:** 25 Aug 77

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number: 07934

Well Owner: Alta Env #1759e (Well#3)
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 793
AEP: 401660
Licence No.: Easting: 32,982.15
Date Started: 29 Aug 77 Northing: 5,935,216.50
Date Completed: 29 Aug 77

General:
Type of Work: New Well
Well Use: Investigation
Completed Depth: 42.7 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 28.7 Bottom (m): 28.7
OD (mm): 168.2 Thickness (mm):
Seal Type: Cement/Grout
from (m): to

Liner:
Type:
OD (mm): 101.6 Thickness (mm):
Top (m): Bottom (m): 32.6
Perforated How: Unknown
from (m): to 32.6 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
14 Dec 78
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel 0.01
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC 182.0 Zinc 0.02
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium 0.04 Barium Manganese 0.36
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron 0.36 Cobalt Total Phosphate
TOC Copper 0.02 Total Alkalinity
Silica Lead 0.02 Nitrate&Nitrite

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Printed on: 2/20/98
## General:

- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 45.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

## Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:

- **from (m):**

## Pump:

- **Model:**
- **Intake (m):**

## Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

## Depth Elevation

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## Electric Log:

- **Yes** Transmissivity: m³/day
- **Yes** Storativity:
- **No** Aquifer Test
- **Database: 1.000H**

## Remarks:

- Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Printed on 2/20/98**
### General:
- **Type of Work:** Core Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Well Completed Depth:** 46.0 m
  - NPWL (m): Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - Type: Unknown
  - Depth (m): 31.4
  - Bottom (m): 31.4
  - OD (mm): 139.7
  - Thickness (mm): 0.1
- **Seal Type:** from (m): to
- **Liner:**
  - Type: OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to
    - from (m): to
    - Size:
- **Screen:**
  - Material: OD (mm):
    - from (m): to
    - from (m): to
    - Size:
- **Open Hole:**
  - from (m): to
- **Pump:**
  - Model:
  - Intake (m):
- **Testing:**
  - Rate (lpm):
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec'd intake (m):
  - Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation
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### Electric Log: **No**
- Transmissivity: **m²/day**
- Gamma Log: **No**
- Storativity:
- Aquifer Test: **No**
- Project: **Database: 1.000H**
- AEP Data: **Yes**
- Well Field Verified: **No**

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
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<td>Testing:</td>
<td></td>
</tr>
<tr>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
</tr>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec’d intake (m):</td>
<td>Rec’d Rate (lpm):</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
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<td>Potassium</td>
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<td>Calcium</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
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<tr>
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<td>Barium</td>
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<tr>
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<td>Beryllium</td>
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<tr>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: Yes
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 21.3 (m)
- **NPWL (m):** 18.3
- **Elevation (AMSL) (m):** 789
- **Licence No.:** Easting: 33,410.64
- **Date Started:** Northing: 5,935.201.50
- **Date Completed:** 25 Jul 77

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Rec’d Rate (lpm):**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number 07939

General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Investigation
Completed Depth 16.8 (m)
NPWL (m): 11.9 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): Bottom (m):
OD (mm): 50.8 Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm):
Top (m):
Thickness (mm):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
Top (m):
Thickness (mm):
Bottom (m):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute): 440.0
Level End (m):
Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrate Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate\&Nitrite

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m²/day
Gamma Log: Yes Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Chemical Constituents are in mg/l (ppm). Except as noted.

printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 12.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):-

### Laboratory:
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- No Transmissivity: m²/day
- Gamma Log: Yes Storativity:
- Aquifer Test: No Project:
- AEP Data: Yes Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27
Well Number 07941

General:
Type of Work: **Test Hole**  
Drilling Method: **Unknown**  
Well Use: **Investigation**  
Completed Depth: 7.0 (m)  
NPWL (m): 5.4  
Verified NPWL (m):  
Abandonment:  

Casing:
Type: **Plastic**  
Depth (m):  
OD (mm): 50.8  
Seal Type:  
from (m): to  

Liner:
Type:  
OD (mm):  
Top (m):  
Perforated How:  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

Screen:
Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

Open Hole:
from (m): to  

Pump:
Model:  
Intake (m):  

Testing:
Rate (lpm):  
Time (minute): 440.0  
Level End (m):  
Drawdown (m):  
Rec'd intake (m):  
Rec'd Rate (lpm):  

Laboratory:
pH (pH unit):  
COD:  
SAR:  
TDS:  
TKN:  
Sodium:  
Nitrate:  
Strontium:  
Potassium:  
Nitrite:  
Molybdenum:  
Calcium:  
TN:  
Vanadium:  
Magnesium:  
TC:  
Zinc:  
Carbonate:  
DIC:  
Hydroxide:  
Bicarbonate:  
Arsenic:  
Total Hardness:  
Aluminum:  
Barium:  
Manganese:  
Sulphate:  
Beryllium:  
Phosphate:  
Chloride:  
Cadmium:  
Ion Balance:  
Fluoride:  
Chromium:  
Amm. Nitrogen:  
Iron:  
Cobalt:  
Total Phosphate:  
TOC:  
Copper:  
Total Alkalinity:  
Silica:  
Lead:  
Nitrate&Nitrite N:  
DIC:  

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

<table>
<thead>
<tr>
<th>Electric Log</th>
<th>Transmissivity: 1.000H</th>
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</thead>
<tbody>
<tr>
<td>Gamma Log</td>
<td>Yes</td>
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<tr>
<td>Aquifer Test</td>
<td>No</td>
</tr>
<tr>
<td>Project</td>
<td>Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data</td>
<td>Yes</td>
</tr>
<tr>
<td>Well Field Verified</td>
<td>No</td>
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</tbody>
</table>
**07-22-053-04 W5M**

**Well Number:** 07942

**Well Owner:** Whitewood Mines #A18  
**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 792  
**AEP:** 396636  
**Date Started:** 33,003.70  
**Licence No.:**  
**Date Completed:** 5,935,631.50  
**NORING:** 22 Aug 78

### General:

- **Type of Work:** Test Hole  
- **Drilling Method:** Auger  
- **Well Use:** Investigation

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>18.3 (m)</td>
<td>1.5 790.5  Till &amp; Clay Sandy Dark Brown</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>4.6 787.4  Till &amp; Clay Sandy Greenish Gra</td>
</tr>
<tr>
<td>Verified NPWL (m):</td>
<td>6.1 785.9  Sand Clayey Greenish Gray</td>
</tr>
<tr>
<td>Abandonment:</td>
<td>7.9 784.1  Sand &amp; Gravel Greenish Gray</td>
</tr>
<tr>
<td></td>
<td>17.4 774.6  Coal Black</td>
</tr>
<tr>
<td></td>
<td>18.3 773.7  Sandstone Bentonitic Dark Gray</td>
</tr>
</tbody>
</table>

### Casing:

- **Type:** Plastic  
- **Depth (m):** 18.3  
- **Bottom (m):** 18.3  
- **OD (mm):** 50.8  
- **Thickness (mm):**

### Liner:

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**

### Screen:

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Open Hole:

- **from (m):**
- **to (m):**

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<tr>
<th>Depth</th>
<th>Elevation (BGL) (AMSL)</th>
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<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
</tr>
<tr>
<td>1.5</td>
<td>790.5</td>
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<tr>
<td>4.6</td>
<td>787.4</td>
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<td>6.1</td>
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<tr>
<td>17.4</td>
<td>774.6</td>
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<td>18.3</td>
<td>773.7</td>
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</table>

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

<table>
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<th>Chemical Constituents</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
<td>COD</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Sodium</td>
<td>Nitrate</td>
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<tr>
<td>Potassium</td>
<td>Nitrite</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<tr>
<td>Fluoride</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m³/day
- **Gamma Log:** No  
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
Water Well Positioned by PFRA in 10TM NAD 27
## General:

- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 21.3 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to
- **Casing:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m): 21.3
- **Perforated How:** Saw
  - from (m): 20.7 to 21.3
  - Size: from (m): to Size:
  - from (m): to Size:
- **Liner:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Screen:**
  - **Material:**
  - **OD (mm):** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:
- **Open Hole:**
  - from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
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</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 15,2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Casing:**
    - **Type:**
    - **Depth (m):** Bottom (m):
    - **OD (mm):** Thickness (mm):
    - **Seal Type:**
    - **from (m):** to
  - **Liner:**
    - **Type:**
    - **OD (mm):** Thickness (mm):
    - **Top (m):** Bottom (m): 15,2
  - **Perforated How:** Saw
  - **from (m):** 14,6 to 15,2
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **Screen:**
    - **Material:**
    - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
  - **Open Hole:**
    - **from (m):** to
  - **Pump:**
    - **Model:**
    - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Arsenic
- Nickel
- Selenium
- Molybdenum
- Zinc
- Hydroxide
- Amm. Nitrogen
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite
- Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Water Well Positioned by PFRA in 10TM NAD 27
13-22-053-04 W5M

Well Number 07946

Well Owner: Whitewood Mines #A22
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 775
Licence No.: AEP: 396640
Date Started: Easting: 32,160.75
Date Completed: 24 Aug 78
Northing: 5,936,408.00

General:

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>Test Hole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Auger</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Investigation</td>
</tr>
<tr>
<td>Completed Depth (m):</td>
<td>6.1</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>32,160.75</td>
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<td>32,160.75</td>
</tr>
<tr>
<td>Abandonment:</td>
<td>No</td>
</tr>
</tbody>
</table>

Casing:

| Type: | Machine |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: | from (m): to |
| Liner: | 50.8 6.1 |
| OD (mm): | Thickness (mm): 0.1 |
| Top (m): | Bottom (m): 6.1 |
| Perforated How: | Machine |
| from (m): | 5.5 6.1 |
| from (m): | to Size: |
| from (m): | to Size: |

Screen:

| Material: | \( (No Lithologic Information Available) \) |
| OD (mm): | from (m): to Size: |
| from (m): to Size: |

Open Hole:

| from (m): | to |

Pump:

| Model: | Intake (m): |
| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

Laboratory:

| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | I<sub>n</sub>Bal<sub>an</sub>ce |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

- Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 12.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
  - **Depth (m):** 31.1
  - **Bottom (m):** 31.1
- **OD (mm):** 101.6
  - **Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:** from (m): to
  - **Size:**
- **from (m):**
  - **Size:**
  - **from (m):**
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **Thickness (mm):**
  - **from (m):**
  - **Size:**
  - **from (m):**
  - **Size:**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 6.8
  - **Time (minute):** 2960.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
## General:

**Type of Work:** Test Hole  
**Well Use:** Investigation  
**Completed Depth:** 26.8 (m)  
**NPWL (m):** 12.1  
**Verified NPWL (m):** 

**Abandonment:**

### Casing:

**Type:** Plastic  
**Depth (m):** 26.8  
**Bottom (m):** 26.8  
**OD (mm):** 50.8  
**Thickness (mm):** 
**Seal Type:** 
**from (m):** to 

### Liner:

**Type:** 
**OD (mm):** 
**Thickness (mm):** 
**Top (m):** Bottom (m): 
**Perforated How:** 
**from (m):** to 
**Size:** 
**from (m):** to 
**Size:** 
**from (m):** to 
**Size:** 

### Screen:

**Material:** 
**OD (mm):** 
**from (m):** to 
**Size:** 
**from (m):** to 
**Size:** 
**from (m):** to 
**Screen:**

### Open Hole:

**from (m):** to 

### Pump:

**Model:** 
**Intake (m):** 

### Testing:

**Rate (lpm):** 
**Time (minute):** 
**Level End (m):** 
**Drawdown (m):** 
**Rec'd intake (m):** 
**Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Nitrate:** Strontium  
- **Potassium:** Nitrite  
- **Molybdenum:** Magnesium  
- **Calcium:** TN  
- **Vanadium:** Magnesium  
- **Magnesium:** TC  
- **Zinc:** Carbonate  
- **Hydroxide:** Bicarbonate  
- **Arsenic:** Barium  
- **Barium:** Beryllium  
- **Beryllium:** Sulphate  
- **Phosphate:** Cadmium  
- **Cadmium:** Chloride  
- **Chloride:** Fluoride  
- **Fluoride:** Iron  
- **Iron:** TOC  
- **TOC:** Silica  
- **Silica:** Lead  
- **Lead:** 
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:** No  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 23.2 (m)
- **NPWL (m):** 12.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 23.2
- **Bottom (m):** 23.2
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TC:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Vanadium:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Database:** Project: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 18.0 (m)
- **NPWL (m):** 11.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 18.0
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Alumimum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **TN:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Ion Balance:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 15.2 (m)
- **NPWL (m):** 12.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 15.2
- **Bottom (m):** 15.2
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Perforated How:**
- **Screen:**
- **Open Hole:**
- **Pump:**
- **Testing:**
- **Laboratory:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98

**Date:** 1998-02-20

**Well Number:** 07951

**Well Owner:** Whitewood Mines #C2d

**Elevation (AMSL) (m):** 775

**Licence No.:** AEP: 396464

**Date Started:** Easting: 32,160.75

**Northing:** 5,936,408.00

**Drilling Contractor:** Alberta Environment

**Date Completed:**
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 5.5 (m)
- **NPWL (m):** 2.9
- **Verified NPWL (m):**
- **Abandonment:**

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<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
<td>from (m): to</td>
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<td>Top (m):</td>
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<tr>
<td>Thickness (mm):</td>
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<table>
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<th>Perforated How:</th>
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<tr>
<td>from (m): to</td>
</tr>
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<td>Size:</td>
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<th>Open Hole:</th>
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<tr>
<td>Rate (lpm):</td>
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<td>Time (minute):</td>
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<td>Level End (m):</td>
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<tr>
<td>Rec'd intake (m):</td>
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<td>Rec'd Rate (lpm):</td>
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<tr>
<td>Cond. (µS/cm): SAR</td>
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<td>TDS: TKN</td>
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<td>Sodium: Nitrate</td>
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<td>Calcium: TN</td>
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<tr>
<td>Magnesium: TC</td>
</tr>
<tr>
<td>Carbonate: DIC</td>
</tr>
<tr>
<td>Bicarbonate: Arsenic</td>
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<td>Aluminium: Barium</td>
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<td>Sulphate: Beryllium</td>
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<td>Chloride: Cadmium</td>
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<tr>
<td>Fluoride: Chromium</td>
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<td>TOC: Copper</td>
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<td>Silica: Lead</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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<tr>
<th>Electric Log: No</th>
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<tr>
<td>Transmissivity: m³/day</td>
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<tr>
<td>Gamma Log: No</td>
</tr>
<tr>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test: No</td>
</tr>
<tr>
<td>Project: Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
</tr>
<tr>
<td>Well Field Verified: No</td>
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**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**General:**

<table>
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<tr>
<th>Type of Work: Test Hole</th>
<th>Unknown</th>
</tr>
</thead>
</table>

**Well Use:** Investigation

- **Completed Depth:** 4.9 m
- **NPWL (m):** 3.1
- **Verified NPWL (m):**

**Abandonment:**

- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

**Casing:**

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<tr>
<th>Type:</th>
<th>Bottom (m):</th>
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<th>OD (mm):</th>
<th>Thickness (mm):</th>
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<td>Bottom (m):</td>
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**Perforated How:**

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<th>Size:</th>
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<td>to</td>
<td>Size:</td>
</tr>
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<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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**Screen:**

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<th>Material:</th>
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<tbody>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
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</table>

**Open Hole:**

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
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**Pump:**

<table>
<thead>
<tr>
<th>Model:</th>
<th>Intake (m):</th>
</tr>
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**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS:</td>
<td>TKN</td>
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<td>Sodium:</td>
<td>Nitrate</td>
<td>Strontium</td>
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<td>Calcium:</td>
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<td>TOC:</td>
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<td>Total Alkalinity</td>
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<tr>
<td>Silica:</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
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**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 174.5
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 28.7 Bottom (m): 28.7
- **OD (mm):** 174.5
- **Thickness (mm):** 28.7
- **Seal Type:** Cement/Grout
- **from (m):** to 28.7

### Liner:
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):** 32.6
- **Top (m):** to 32.6
- **Bottom (m):** to 32.6

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:** COD
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrates:** Strontium
- **Nitrites:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Baryum:** Manganese
- **Beryllium:** Phosphate
- **Cadium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate
- **Potassium:** Lead
- **Calcium:** Manganese
- **Magnesium:** Phosphate
- **Iron:** Total Phosphate
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **AEP Data:** Well Field Verified: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**EH 22-053-04 W5M**

**Well Number 07955**

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tr>
<td><strong>Type of Work:</strong> Old Well-Test</td>
<td><strong>BGL</strong> (m)</td>
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<tr>
<td><strong>Drilling Method:</strong> Unknown</td>
<td><strong>Lithologic Description</strong></td>
</tr>
<tr>
<td><strong>Well Use:</strong> Investigation</td>
<td>(No Lithologic Information Available)</td>
</tr>
<tr>
<td><strong>Completed Depth:</strong> 18.0 (m)</td>
<td><strong>NPWL</strong> (m):</td>
</tr>
<tr>
<td><strong>Elevation</strong> (AMSL) (m):</td>
<td><strong>Abandonment:</strong></td>
</tr>
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<table>
<thead>
<tr>
<th>Casing:</th>
<th>Screening:</th>
</tr>
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<tbody>
<tr>
<td><strong>Type:</strong></td>
<td><strong>Material:</strong></td>
</tr>
<tr>
<td><strong>Depth</strong> (m):</td>
<td><strong>OD</strong> (mm):</td>
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<tr>
<td><strong>Bottom</strong> (m):</td>
<td><strong>from</strong> (m):</td>
</tr>
<tr>
<td><strong>Thickness</strong> (mm):</td>
<td><strong>to</strong></td>
</tr>
<tr>
<td><strong>Seal Type:</strong></td>
<td><strong>Size:</strong></td>
</tr>
<tr>
<td><strong>from</strong> (m):</td>
<td><strong>Bottom</strong> (m):</td>
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<tr>
<td><strong>to</strong></td>
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<table>
<thead>
<tr>
<th>Liner:</th>
<th>Open Hole:</th>
</tr>
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<tbody>
<tr>
<td><strong>Type:</strong></td>
<td><strong>from</strong> (m):</td>
</tr>
<tr>
<td><strong>OD</strong> (mm):</td>
<td><strong>to</strong></td>
</tr>
<tr>
<td><strong>Thickness</strong> (mm):</td>
<td><strong>Size:</strong></td>
</tr>
<tr>
<td><strong>Top</strong> (m):</td>
<td><strong>from</strong> (m):</td>
</tr>
<tr>
<td><strong>Bottom</strong> (m):</td>
<td><strong>to</strong></td>
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<table>
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<tr>
<th>Pump:</th>
<th>Testing:</th>
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<tbody>
<tr>
<td><strong>Model:</strong></td>
<td><strong>Rate</strong> (lpm):</td>
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<tr>
<td><strong>Intake</strong> (m):</td>
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<td><strong>Level End</strong> (m):</td>
<td><strong>Drawdown</strong> (m):</td>
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<td><strong>Rec’d intake</strong> (m):</td>
<td><strong>Rec’d Rate</strong> (lpm):</td>
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<tr>
<th>Laboratory:</th>
<th>Electric Log:</th>
<th>Gamma Log:</th>
<th>Aquifer Test:</th>
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<td><strong>pH</strong> (pH unit):</td>
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<td>No</td>
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<td><strong>COND.</strong> (µS/cm):</td>
<td>Transmissivity:</td>
<td>Storativity:</td>
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<tr>
<td><strong>TDS</strong></td>
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<td><strong>NITRATE</strong></td>
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<td><strong>POTASSIUM</strong></td>
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<tr>
<td><strong>CALCIUM</strong></td>
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<tr>
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<td><strong>SULPHATE</strong></td>
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<td><strong>FLUORIDE</strong></td>
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<tr>
<td><strong>AEP DATA</strong></td>
<td></td>
<td></td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**EH 22-053-04 W5M**

**Well Number 07956**

**Well Owner:** Alta Env #3c Piez  
**Drilling Contractor:** Alberta Environment

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<td>Licence No.:</td>
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<tr>
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<td>Depth (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<td>Seal Type:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
</tbody>
</table>

| Liner: | |
|---------| |
| Type: | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: | |
| from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

| Screen: | |
|---------| |
| Material: | |
| OD (mm): | |
| from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

| Open Hole: | |
|------------| |
| from (m): | to |

| Pump: | |
|-------| |
| Model: | Intake (m): |
| Testing: | |
| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec’d intake (m): | Rec’d Rate (lpm): |

| Laboratory: | |
|-------------| |
| pH (pH unit): | COD Mercury |
| Cond. (µS/cm): | SAR Nickel |
| TDS | TKN Selenium |
| Sodium | Nitrate Strontium |
| Potassium |Nitrite Molybdenum |
| Calcium | TN Vanadium |
| Magnesium | TC Zinc |
| Carbonate | DIC Hydroxide |
| Bicarbonate | Arsenic Total Hardness |
| Aluminum | Barium Manganese |
| Sulphate | Beryllium Phosphate |
| Chloride | Cadmium Ion Balance |
| Fluoride | Chromium Amm. Nitrogen |
| Iron | Cobalt Total Phosphate |
| TOC | Copper Total Alkalinity |
| Silica | Lead Nitrate&Nitrite N |
| DIC | Hydroxide |
| Arsenic | Total Hardness |
| Barium | Manganese |
| Beryllium | Phosphate |
| Cadmium | Ion Balance |
| Chromium | Amm. Nitrogen |
| Cobalt | Total Phosphate |
| Copper | Total Alkalinity |
| Lead | Nitrate&Nitrite N |

| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: Yes | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07957  
**Elevation (AMSL) (m):** 787  
**AEP:** 401739  
**Date Started:** 26 May 77  
**Date Completed:** 26 May 77  

**Well Owner:** Alta Env #1690e (Nest#1 Area)  
**Drilling Contractor:** Alberta Environment

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation (BGL) (AMSL)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>2.1</td>
<td>784.4</td>
<td>Sand Fine Grained</td>
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<tr>
<td>3.1</td>
<td>783.5</td>
<td>Coal</td>
</tr>
<tr>
<td>6.1</td>
<td>780.5</td>
<td>Clay Silty</td>
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<td>6.7</td>
<td>779.8</td>
<td>Sand &amp; Coal Fine Grained</td>
</tr>
<tr>
<td>14.3</td>
<td>772.2</td>
<td>Coal</td>
</tr>
<tr>
<td>17.4</td>
<td>769.2</td>
<td>Shale &amp; Coal</td>
</tr>
<tr>
<td>18.3</td>
<td>768.3</td>
<td>Shale</td>
</tr>
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**General:**  
Type of Work: Test Hole  
Drilling Method: Rotary  
Well Use: Investigation  
Completed Depth: 18.3 (m)  
NPWL (m): Verified NPWL (m):  
Abandonment: 

**Casing:**  
Type:  
Depth (m): Bottom (m):  
OD (mm): Thickness (mm):  
Seal Type: from (m): to  

**Liner:**  
Type:  
OD (mm): Thickness (mm):  
Top (m): Bottom (m):  
Perforated How: from (m): to Size: from (m): to Size: from (m): to Size:  

**Screen:**  
Material:  
OD (mm):  
from (m): to Size: from (m): to Size:  

**Open Hole:**  
from (m): to  

**Pump:**  
Model: Intake (m):  

**Testing:**  
Rate (lpm): Time (minute):  
Level End (m): Drawdown (m):  
Rec'd intake (m): Rec'd Rate (lpm):  

**Laboratory:**  
pH (pH unit): COD Mercury  
Cond. (µS/cm): SAR Nickel  
TDS: TKN Selenium  
Sodium: Nitrate Strontium  
Potassium: Nitrite Molybdenum  
Calcium: TN Vanadium  
Magnesium: TC Zinc  
Carbonate: DIC Hydroxide  
Bicarbonate: Arsenic Total Hardness  
Aluminum: Barium Manganese  
Sulphate: Beryllium Phosphate  
Chloride: Cadmium Ion Balance  
Fluoride: Chromium Amm. Nitrogen  
Iron: Cobalt Total Phosphate  
TOC: Copper Total Alkalinity  
Silica: Lead Nitrate&Nitrite N  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**C**
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary Investigation
- **Well Use:**
- **Completed Depth:** 18.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

## Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

## Electric Log:
- **Transmissivity:** m³/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation

### Casing:
- **Type:**
  - **Depth:** from (m): to
  - **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**
  - **from (m):** to **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to **Size:**
    - **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:

### Aquifer Test:
- **AEP Data:** Yes
- **Database:** Project: 1.000H

### Chemical Constituents:
- **Level End (m):**
- **Rec'd intake (m):**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number: 07960**

**Well Owner:** Alta Env #1693e (Nest#1 Area)

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 787

**Licence No.:** 401738

**Date Started:** 26 May 77

**Easting:** 33.713.88

**Northing:** 5,935.235.00

**Date Completed:** 26 May 77

---

### General:

- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation

### Casing:

- **Type:**
  - Depth (m): **18.3**
  - Bottom (m):
  - OD (mm):
  - Thickness (mm):
  - Seal Type:
  - from (m): **to**

### Liner:

- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m): Bottom (m):

### Screen:

- **Material:**
  - OD (mm):
  - from (m): **to**
  - Size:

### Open Hole:

- from (m): **to**

### Pump:

- **Model:**
  - Intake (m):

### Testing:

- **Rate (lpm):**
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec’d intake (m):
  - Rec’d Rate (lpm):

### Laboratory:

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<th>Unit</th>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>Cobalt</td>
<td>Total Alkalinity</td>
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<td>Copper</td>
<td>Nitrate &amp; Nitrite N</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Electric Log:** Yes

**Transmissivity:** m²/day

**Gamma Log:** Yes

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Printed on:** 2/20/98
Well Number: 07961

Well Owner: Alta Env #1755e

Drilling Contractor: Alberta Environment

**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 61.0 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 07962

| Well Owner: Alta Env #1755e (Nest#1) | Elevation (AMSL) (m): 787 |
| Drilling Contractor: Alberta Environment | AEP: 401735 |
|  | Licence No.: 33,713.88 |
|  | Date Started: 20 Aug 77 |
|  | Northing: 5,935,235.00 |
|  | Date Completed: 22 Aug 77 |

**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 61.0 (m)
- **NPWL (m):** 9.8
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 14.3
- **Bottom (m):** 14.3
- **OD (mm):** 168.4
- **Thickness (mm):**
- **Seal Type:** Driven

**Liner:**
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 17.1

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **Thickness:**

**Open Hole:**
- **from (m):**
- **to:**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL)**

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</table>

**Lithologic Description:**
- Coal
- Clay Sandy
- Coal
- Sandstone
- Shale
- Sandstone
- Shale
- Shale

**Electric Log:** Yes
**Transmissivity:** m²/day
**Gamma Log:** Yes
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 16.8 m
- **NPWL (m):** 10.6
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Casing Type:**

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

#### Lithologic Description
(No Lithologic Information Available)

#### Perforation Details:
- **Perforated From:** to
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):

#### Open Hole:
- **From (m):** to

#### Pump:
- **Sub:**
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 4.6
- **Time (minute):** 860.0
- **Level End (m):** Drawdown (m):
- **Rec'd Rate (lpm):** Rec'd intake (m):

### Laboratory:
- **pH (pH unit):** 10.6
- **Cond. (µS/cm):** 682.0
- **TDS:** 344.0
- **Sodium:** 80.04
- **Potassium:** 49.27
- **Calcium:** 2.00
- **Magnesium:** 0.97
- **Carbonate:** 39.00
- **Bicarbonate:**
- **Arsenic:**
- **Barium:**
- **Manganese:** 0.02
- **Sulphate:** 150.81
- **Beryllium:**
- **Chloride:** 2.13
- **Cadmium:**
- **Fluoride:** 0.23
- **Iron:** 0.12
- **TOC:**
- **Silica:** 11.20

### Water Quality:
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Nitrate:**
- **Potassium:**
- **Vanadium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Barium:**
- **Manganese:**
- **Aluminum:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:**

### Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

#### Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 07963**
- **Well Owner:** Alta Env #1756e (Nest#1, Well#1)
- **Drilling Contractor:** Alberta Environment
- **Elevation (AMSL) (m):** 787
- **AEP:** 401736
- **Easting:** 33713.88
- **Northing:** 5935235.00
- **Date Started:**
- **Date Completed:**

---

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 07964**

**04-23-053-04 W5M**

**Well Owner:** *Whitewood Mines #1a*

**Drilling Contractor:** *Alberta Environment*

**Elevation (AMSL) (m):** 787

**Licence No.:**

**Date Started:**

**Date Completed:**

**General:**

- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 15.2 (m)
- **NPWL (m):** 10.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 15.2
- **Bottom (m):** 15.2
- **OD (mm):**
- **Thickness (mm):** 0.6
- **Seal Type:**
- **from (m):**
- **to:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**

- **from (m):**
- **to:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**

**Open Hole:**

- **from (m):**
- **to:**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):** 980.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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<th>Unit</th>
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**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Test Hole
- **Well Use:** Investigation
- **Completed Depth:** 14.0 (m)
- **NPWL (m):** 10.3
- **Veriﬁed NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** Bottom (m):
  - **OD (mm):** 50.8
  - **Thickess (mm):**
  - **Seal Type:**
    - from (m): to
- **Liner:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to
    - Size:
    - from (m): to
    - Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - from (m): to
    - Size:
    - from (m): to
    - Size:
- **Open Hole:**
  - from (m): to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):** 980.0
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Yes
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** Test Hole
- **Well Use:** Investigation
- **Completed Depth:** 11.3 (m)
- **NPWL (m):** 9.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 50.8
- **Thickness (mm):**
- **Seal Type:**
  - from (m): to

**Liner:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD  Mercury
- **Cond. (µS/cm):** SAR  Nickel
- **TDS:** TKN  Selenium
- **Sodium:** Nitrate  Strontium
- **Potassium:** Nitrite  Molybdenum
- **Calcium:** TN  Vanadium
- **Magnesium:** TC  Zinc
- **Carbonate:** DIC  Hydroxide
- **Bicarbonate:** Arsenic  Total Hardness
- **Aluminium:** Barium  Manganese
- **Sulphate:** Beryllium  Phosphate
- **Chloride:** Cadmium  Ion Balance
- **Fluoride:** Chromium  Amm. Nitrogen
- **Iron:** Cobalt  Total Phosphate
- **TOC:** Copper  Total Alkalinity
- **Silica:** Lead  Nitrate&Nitrite

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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</tr>
</tbody>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No  **Transmissivity:** m³/day
**Gamma Log:** Yes  **Storativity:**
**Aquifer Test:** No  **Project:** Database: 1.000H
**AEP Data:** Yes  **Well Field Verified:** No
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 15.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to
- **Perforated How:**

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

### Electric Log:
- Transmissivity: m²/day

### Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Well Use:** Investigation
- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Drilling Contractor:** Alberta Environment
- **Well Number:** 07968
- **Well Owner:** Whitewood Mines #A16
- **Elevation (AMSL) (m):** 787
- **Licence No.:** Easting: 33,713.88
- **Date Started:** Northing: 5,935.235.00
- **Date Completed:** 21 Aug 78

### Depth Elevation

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### Lithologic Description

- **Type:** Plastic
- **Depth (m):** 14.3
- **Bottom (m):** 14.3
- **OD (mm):** 50.8
- ** Thickness (mm):**
  - **from (m):** to
  - **Thickness:**
  - **Size:**
- **Seal Type:**
  - **from (m):** to

### Screen

- **Material:**
  - OD (mm):
    - **from (m):** to
    - **Size:**
- **Perforated How:**
  - **from (m):** to
  - **Size:**

### Open Hole

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Testing:**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

### Laboratory

- **Ph (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:** COD
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **As:** Total Hardness
- **Manganese:**
- **Beryllium:**
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrates
- **Nitrate:**
- **Selenium:**
- **Nitrates:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Dichloroacetic Acid:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate:**
- **Selenium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Total Organic Carbon:**
- **Silica:**

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H

### AEP Data:

- **Verified:** Yes
- **Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 07969  
**Elevation (AMSL) (m):** 787  
**AEP:** 396635  
**Licence No.:** Easting: 32,713.88  
**Date Started:** Northing: 5,935.235.00  
**Date Completed:** 21 Aug 78  
**Well Owner:** Whitewood Mines #A17  
**Drilling Contractor:** Alberta Environment

### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Auger  
- **Well Use:** Investigation  
- **Completed Depth:** 13.7 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  
  - **Type:** Plastic  
  - **Depth (m):** 13.7  
  - **Bottom (m):** 13.7  
- **OD (mm):** 50.8  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):** COD Mercury  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  

### Aquifer Test:
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27  

printed on 2/20/98
**General:**

- **Type of Work:** Test Hole
- **Drilling Method:** Auger
- **Well Use:** Investigation
- **Completed Depth:** 16.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:**  
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type: from (m): to

**Liner:**

- **Type:**  
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How: from (m): to to Size: from (m): to Size: from (m): to Size:

**Screen:**

- **Material:**  
  - OD (mm): from (m): to Size: from (m): to Size:

**Open Hole:**

- from (m): to

**Pump:**

- **Model:**  
  - Intake (m):

**Testing:**

- **Rate (lpm):**  
  - Time (minute):
  - Level End (m): Drawdown (m):
  - Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 25-053-04 W5M**

**Well Owner:** Binette, Real  
**Drilling Contractor:** Summer's Drilling Ltd.

**Well Number:** 07971  
**Elevation (AMSL) (m):** 778  
**AEP:** 356123  
**Licence No.:** Easting: 35,644.29  
**Date Started:** 01 May 83  
**Northing:** 5,937,892.00  
**Date Completed:** 03 May 83

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Bored  
- **Well Use:** Domestic  
- **Completed Depth:** 18.9 (m)  
- **NPWL (m):** 9.1  
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel  
- **Depth (m):** 18.6  
- **OD (mm):** 635.0  
- **Thickness (mm):** 0.2  
- **Seal Type:** Puddled Clay  
- **from (m):** to 4.3

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 36.5  
- **Time (minute):** 120.0  
- **Level End (m):**
- **Drawdown (m):** 8.5  
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
**Well Number: 07972**

**Well Owner:** Schafer, Rick  
**Drilling Contractor:** Rodco Drilling  

## General Information

- **Type of Work:** Old Well-Test  
- **Drilling Method:** Unknown  
- **Well Use:** Unknown  
- **Completed Depth:** 94.8 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

## Casing Information

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

## Liner Information

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

## Screen Information

- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  

## Open Hole Information

- **from (m):** to  

## Pump Information

- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

## Laboratory Analysis

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- **Chemical Constituents are in mg/l (ppm). Except as noted.**  

## Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27  

## Project Information

- **Electric Log: No**  
- **Gamma Log: Yes**  
- **Aquifer Test: No**  
- **Database: 1.000H**  
- **AEP Data: Yes**  
- **Well Field Verified: No**  

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 17.7 (m)
- **NPWL (m):** 8.5
- **Verified NPWL (m):**
- **Abandonment:**

#### Casting:
- **Type:**
- **Depth (m):** Bottom (m): 
- **OD (mm):** Thickness (mm): 
- **Seal Type:** Shale Trap
- **from (m):** to 3.7

#### Liner:
- **Type:**
- **OD (mm):** 609.6
- **Thickness (mm):** 0.0
- **Top (m):** Bottom (m): 17.7
- **Perforated How:** Other
- **from (m):** 9.1 to 16.8
- **Size:**
- **from (m):** to 16.8
- **Size:**
- **from (m):** to 16.8

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 4.6
- **Time (minute):** 120.0
- **Level End (m):** 16.8
- **Drawdown (m):** 8.2
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<tr>
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<td>TKN</td>
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<td>Calcium</td>
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<td>Magnesium</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
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<tr>
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<td>Barium</td>
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<tr>
<td>Sulphate</td>
<td>Beryllium</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
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<tr>
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<td>Chromium</td>
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<td>Iron</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>
| Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- Transmissivity: m²/day
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 15.2 (m)
  - NPWL (m): Verified NPWL (m):
  - Abandonment:

**Casing:**
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m):
  - to

**Liner:**
- **Type:**
  - OD (mm):
  - Top (m):
  - from (m):
  - to
  - Thickness (mm):
  - Bottom (m):
  - Perforated How:
    - from (m):
    - to
    - Size:
  - Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:
  - Size:
  - Thickness (mm):

**Open Hole:**
- from (m):
- to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m):
- Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit):
- Cond. (µS/cm):
- TDS:
- Sodium:
- Potassium:
- Calcium:
- Magnesium:
- Carbonate:
- Bicarbonate:
- Aluminium:
- Sulphate:
- Chloride:
- Fluoride:
- Iron:
- TOC:
- Silica:
- COD:
- SAR:
- TKN:
- Nitrate:
- Nitrite:
- Beryllium:
- Cadmium:
- Chromium:
- Cobalt:
- Copper:
- Lead:
- Mercury:
- Nickel:
- Strontium:
- Molybdenum:
- Vanadium:
- Zinc:
- Arsenic:
- Total Hardness:
- Manganese:
- Phosphate:
- Ion Balance:
- Amm. Nitrogen:
- Total Phosphate:
- Total Alkalinity:
- Nitrate:
- Nitrite:
- Lead:
- Copper:
- Mercury:
- Beryllium:
- Cadmium:
- Arsenic:
- Total Hardness:
- Zinc:
- Manganese:
- Phosphate:
- Ion Balance:
- Amm. Nitrogen:
- Total Phosphate:
- Total Alkalinity:
- Nitrate:
- Nitrite:
- Lead:
- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H
- **AEP Data:** Yes
- **Field Verified:** No

**Depth Elevation**
- (BGL) (AMSL)
  - (m) (m)

**Lithologic Description**
- (No Lithologic Information Available)

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**NW 26-053-04 W5M**

**Well Owner:** Keyler, Dwayne  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 777  
**AEP:** 376553  
**Licence No.:** Easting: 34,057.20  
**Date Started: 21 Aug 93**  
**NORTHING:** Northing: 5,937,783.00  
**Date Completed: 21 Aug 93**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 57.9 (m)  
- **NPWL (m):** 16.1  
- **Verified NPWL (m):**

### Abandonment:
- **Casing:**  
  - **Type:** Steel  
  - **Depth (m):** 31.4  
  - **Bottom (m):** 31.4  
  - **OD (mm):** 139.7  
  - **Thickness (mm):** 0.1  
  - **Seal Type:** Driven  
  - **from (m):** to 31.4

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 8.5  
- **Bottom (m):** 57.3  
- **Perforated How:** Machine  
- **from (m):** to 57.3  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 39.6

### Testing:
- **Rate (lpm):** 34.2  
- **Time (minute):** 120.0  
- **Level End (m):** 39.6  
- **Drawdown (m):** 23.5  
- **Rec'd intake (m):** 42.7  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nitrate & Nitrite N:**
- **Arsenic:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Barium:**
- **Manganese:**
- **Potassium:**
- **Vanadium:**
- **Zinc:**
- **Sulphate:**
- **Molybdenum:**
- **Iron:**
- **Nickel:**
- **Magnesium:**
- **Calcium:**
- **Iron:**
- ** Zinc:**
- **Cadmium:**
- **Strontium:**
- **Calcium:**
- **Barium:**
- **Manganese:**
- **Nickel:**
- **Iron:**
- **Copper:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **No**
- **Transmissivity:** m²/day

### Gamma Log:
- **No**
- **Storativity:**

### Aquifer Test:
- **No**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

*Chemical Constituents are in mg/l (ppm). Except as noted.*
# NW 26-053-04 W5M

**Well Owner:** Laurentian Bank/Hartwig, P  
**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 777  
**AEP:** 363793  
**Licence No.:** Easting: 34,695.86  
**Date Started:** 10 Sep 91  
**Nortthing:** 5,937,242.50  
**Date Completed:** 14 Sep 91

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 79.2 (m)  
- **NPWL (m):** 12.8  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Steel  
- **Depth (m):** 36.6  
- **Bottom (m):** 36.6  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 36.6

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 33.5  
- **Bottom (m):** 79.2  
- **Perforated How:** Machine  
- **from (m):** 73.2  
- **to 79.2**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Jacuzzi  
- **Intake (m):** 73.2  

### Testing:
- **Rate (lpm):** 13.7  
- **Time (minute):** 120.0  
- **Level End (m):** 67.1  
- **Drawdown (m):** 54.3  
- **Rec'd Rate (lpm):** 13.7  
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Potassium:**  
- **Nitrite:**  
- **Calcium:**  
- **Molybdenum:**  
- **Magnesium:**  
- **Vanadium:**  
- **Carbonate:**  
- **DIC:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Aluminum:**  
- **Barium:**  
- **Sulphate:**  
- **Beryllium:**  
- **Chloride:**  
- **Cadmium:**  
- **Fluoride:**  
- **Chromium:**  
- **Iron:**  
- **Cobalt:**  
- **TOC:**  
- **Copper:**  
- **Silica:**  
- **Lead:**  
- **DIC:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project: Database: 1.000H
- **AEP Data:** Yes  

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

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**print on 2/20/98**
**NW 26-053-04 W5M**

**Well Owner:** Nickason, Ray  
**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Well Number:** 07977  
**Elevation (AMSL) (m):** 773  
**AEP:** 373953  
**Date Started:** 01 Nov 93  
**Date Completed:** 01 Nov 93  
**Licence No.:** Easting: 33,695.96  
**Northing:** 5,937.985.00

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<td>15.2</td>
<td>757.4</td>
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<td>755.6</td>
<td>Sand &amp; Rocks</td>
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<td>19.5</td>
<td>753.1</td>
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<td>23.8</td>
<td>748.9</td>
<td>Shale Greenish Gray</td>
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<td>26.2</td>
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<td>54.9</td>
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**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 m  
- **NPWL (m):** 18.6  
- **Abandonment:**

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 36.6  
- **Bottom (m):** 36.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.2  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** 36.6  
- **to:** 36.6

**Liner:**  
- **Type:**
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 36.3  
- **Bottom (m):** 54.9  
- **Perforated How:** Saw  
- **from (m):** 39.6  
- **to:** 42.7  
- **Size:**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Screen:**  
- **Material:**
- **OD (mm):** from (m): to  
- **Thickness (mm):** Size: from (m): to  
- **from (m):** to  
- **Size:**

**Open Hole:**  
- **from (m):** to

**Pump:** Sub  
- **Model:** 5s4513p-Sz  
- **Intake (m):** 42.7

**Testing:**  
- **Rate (lpm):** 27.4  
- **Time (minute):** 420.0  
- **Level End (m):** 27.4  
- **Drawdown (m):** 8.5  
- **Rec’d Rate (lpm):** 48.8  
- **Rec’d intake (m):** 27.4

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH:**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Molybdenum:**  
- **Vanadium:**  
- **Zinc:**  
- **Hydroxide:**  
- **Total Hardness:**  
- **Manganese:**  
- **Phosphate:**  
- **Ion Balance:**  
- **Amm. Nitrogen:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitratre&Nitrite N**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

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**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
  - NPWL (m): 9.5
  - Verified NPWL (m):
- **Abandonment:**
  - Type: Steel
  - Depth (m): 34.1
  - Bottom (m): 34.1
  - OD (mm): 139.7
  - Thickness (mm): 0.1
  - Seal Type: Driven
  - from (m): to 34.1

### Liner:
- **Type:**
  - OD (mm): 114.3
  - Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:** Torch
  - from (m): 27.4 to 41.2
  - Size:
  - from (m): 34.1 to 41.2
  - Size:
  - from (m): to

### Screen:
- **Material:**
  - OD (mm):
    - from (m): to
    - from (m): to

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
  - Intake (m): 41.2

### Testing:
- **Rate (lpm):** 22.8
  - Time (minute): 600.0
- **Level End (m):** 23.8
  - Drawdown (m): 14.3
  - Rec'd intake (m): Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS (mg/l):**
- **Sodium (mg/l):**
- **Potassium (mg/l):**
- **Calcium (mg/l):**
- **Magnesium (mg/l):**
- **Carbonate (mg/l):**
- **Bicarbonate (mg/l):**
- **Alkalinity (mg/l):**
- **Sulphate (mg/l):**
- **Chloride (mg/l):**
- **Fluoride (mg/l):**
- **Iron (mg/l):**
- **TOC (mg/l):**
- **Silica (mg/l):**

### Lithologic Description:
- **Depth (m):**
  - 12.2: 762.9 Clay & Sand
  - 18.3: 756.8 Shale Brown
  - 22.9: 752.3 Sand
  - 25.9: 749.2 Shale Brown
  - 27.4: 747.7 Shale Green
  - 30.5: 744.6 Shale Brown
  - 38.1: 737.0 Shale Green
  - 39.6: 735.5 Coal
  - 44.2: 730.9 Shale Green
  - 48.8: 726.4 Shale Black
  - 51.8: 723.3 Coal
  - 54.9: 720.3 Shale Green
  - 57.9: 717.2 Shale Brown

### Electric Log: No
- **Transmissivity:** m³/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data: Yes**
- **Well Field Verified: No**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**SE 26-053-04 W5M**

**Well Owner:** Kropp, Andrew

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** 07980

**Elevation (AMSL) (m):** 776

**AEP:** 376552

**Licence No.:**

**Easting:** 34,541.92

**Date Started:** 20 Aug 93

**Northing:** 5,936,795.00

**Date Completed:** 23 Aug 93

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### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 77.7 (m)
  - NPWL (m): 20.4
  - Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 36.6
- **Bottom (m):** 36.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 36.6

### Liner:

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 34.8
- **Bottom (m):** 76.8
- **Perforated How:** Saw
- **from (m):** 34.8 to 76.8
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Jacuzzi
- **Intake (m):**

### Testing:

- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 51.8
- **Drawdown (m):** 31.4
- **Rec'd Rate (lpm):** 51.8
- **Rec'd intake (m):** 9.1

### Laboratory:

- **pH (pH unit):**
- **SAR:**
- **TDS:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:

- **Well Field Verified:** No

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**SE 26-053-04 W5M**

**Well Owner:** Lambert, Leo  
**Drilling Contractor:** Rodco Drilling

**SE 26-053-04 W5M**

**Well Number:** 07981

**Well Owner:** Lambert, Leo  
**Drilling Contractor:** Rodco Drilling

**Well Number:** 07981  
**Elevation (AMSL) (m):** 776  
**AEP:** 351500  
**Licence No.:** Easting: 34,569.86  
**Date Started:** 11 Jun 90  
**Northing:** 5,937,212.00  
**Date Completed:** 28 Jun 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 50.3 (m)  
- **NPWL (m):** 5.5  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casting:
- **Type:** Plastic  
- **Depth (m):** 36.6  
- **Bottom (m):** 36.6  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 18.3  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

### Open Hole:
- **from (m):** to  

### Pump:
- **Sub**  
- **Model:**  
- **Intake (m):** 33.5  

### Testing:
- **Rate (lpm):** 9.1  
- **Time (minute):** 480.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 25.0
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nickel:**  
- **TDS:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Potassium:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No  
**Transmissivity:**  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on 2/20/98
SE 26-053-04 W5M

Well Number: 07982

Elevation (AMSL) (m): 778
AEP: 448043

Well Owner: Wabamum Holdings
Licence No.: 34,817.01

Drilling Contractor: Big Iron Drilling Ltd.
Easting: 5,936,867.24

Date Started: 26 Jul 76

Date Completed: 30 Jul 76

General:
Type of Work: Unknown
Drilling Method: Rotary
Well Use: Unknown
Completed Depth: 57.9 (m)
NPWL (m): 6.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 38.4 Bottom (m): 38.4
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven from (m): to 38.4

Liner:
Type: Steel
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): Bottom (m): 57.9

Perforated How: Torch from (m): 45.7 to 57.9 Size: from (m): to Size: from (m): to Size:

Screen:
Material: Steel
OD (mm): from (m): to Size: from (m): to Size: from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m):

Testing:
Rate (lpm): 45.6 Time (minute): 520.0
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

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Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Casing:
- **Type:** Steel
- **Depth (m):** 35.7
- **Bottom (m):** 35.7
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** 0.0
  - **to:** 35.7

### Liner:
- **Type:** Driven
- **OD (mm):** 114.3
- **Thickness (mm):**
  - **Top (m):** 83.2
  - **Bottom (m):**

### Screen:
- **Material:**
  - **from (m):**
  - **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):** 600.0
- **Level End (m):** 33.5
- **Drawdown (m):** 22.3
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- ** Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Phosphate:**
- **Cadmium:**
- **Copper:**
- **Lead:**
- **Chromium:**
- **Cobalt:**
- **Iron:**
- **Barium:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Arsenic:**
- **Zinc:**
- **Manganese:**
- **Phosphate:**
- **Amm. Nitrogen:**
- **Cadium:**
- **Hydroxide:**
- **Nickel:**
- **Selenium:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Sulphate:**
- **Phosphate:**
- **Ion Balance:**
- **Vanadium:**
- **Zinc:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**

### Depth Elevation

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<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>83.2</td>
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### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 07983
**Well Owner:** Wabamum Holdings
**Drilling Contractor:** Big Iron Drilling Ltd.
**Elevation (AMSL) (m):** 781
**AEP:** 448036
**Licence No.:**
**Easting:** 34,807.36
**Date Started:** 01 Jun 76
**Northern:** 5,937,116.00
**Date Completed:** 08 Jun 76

**Well Field Verified:** Yes
**Database:** 1.000H
**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**AEP Data:** Yes

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**Well Number:** 07984

**Well Owner:** Zur, Andy

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 781

**AEP:** 352094

**Licence No.:** Easting: 34,807.36

**Date Started:** 02 Aug 90

**Notthing:** 5,937,116.00

**Date Completed:** 02 Aug 90

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 37.8
- **Bottom (m):** 37.8
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 37.8

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 33.5
- **Bottom (m):** 79.2
- **Perforated How:** Hand Drill
- **from (m):** to 79.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 9.1
- **Time (minute):** 180.0
- **Level End (m):** 79.2
- **Drawdown (m):** 71.6
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:

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Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation (BGL) (AMSL)

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### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**SE 27-053-04 W5M**

**Well Number: 07985**

**Well Owner:** McMaster, Gar

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 780  
**AEP:** 418227  
**Licence No.:** 33,631.58  
**Date Started:** 13 Sep 95  
**Easting:** 5,936,309.50  
**Date Completed:** 14 Sep 95

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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 21.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
  - **Depth (m):** 43.6
  - **Bottom (m):** 43.6
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** 43.3 to 43.6

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 37.5
- **Bottom (m):** 91.4

### Perforated How:
- **Hand Drill**
  - **from (m):** 61.0 to 91.4
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):**
  - **Thickness:**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 91.4

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 91.4
- **Drawdown (m):** 70.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**
- **Transmissivity:**

### Gamma Log:
- **No**
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
### General:
- **Well Owner:** Sorich, Doug
- **Drilling Contractor:** Blakeman’s, Norm Drilling Ltd.
- **Well Number:** 07986
- **Licence No.:** Easting: 32,361.58, Northing: 5,936,909.50
- **Date Started:** 20 Nov 94
- **Date Completed:** 24 Nov 94
- **Elevation (AMSL) (m):** 780
- **AEP:** 414872

#### Lithologic Description
<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithology</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.3</td>
<td>776.0</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>18.3</td>
<td>762.0</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>19.8</td>
<td>760.5</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>21.3</td>
<td>758.9</td>
<td>Gravel Cemented</td>
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</table>

#### Casing:
- **Type:** Plastic
- **Depth (m):** 18.3, **Bottom (m):** 18.3
- **OD (mm):** 127.0, **Thickness (mm):** 0.1
- **Seal:** from (m): to

#### Liner:
- **Type:**
  - **OD (mm):**
    - from (m): 18.3 to Bottom (m): Size: 0.02
- **Perforated How:**
  - from (m): to Size:
- **Open Hole:**
  - from (m): to

#### Screen:
- **Material:** St
- **OD (mm):** 1.5
  - from (m): 18.3 to 19.8, **Size:** 0.02
- **Perforated How:**
  - from (m): to Size:
- **Open Hole:**
  - from (m): to

#### Pump:
- **Model:** Intake (m): 18.3
- **Testing:**
  - **Rate (lpm):** 9.1, **Time (minute):** 120.0
  - **Level End (m):** 18.3, **Drawdown (m):** 11.2
  - **Rec’d intake (m):** 18.3, **Rec’d Rate (lpm):** 9.1

#### Laboratory:
- **pH (pH unit):** COD, **SAR:** Mercury
- **Cond. (µS/cm):** TKN, **Nitrate:** Selenium
- **Sodium:** Nitrite, **Strontium:** Molybdenum
- **Potassium:** TN, **Vanadium:** Zinc
- **Calcium:** TC, **Magnesium:** Hydroxide
- **Magnesium:** DIC, **Barium:** Total Hardness
- **Aluminium:** Beryllium, **Manganese:** Phosphate
- **Sulphate:** Cadmium, **Iron:** Ion Balance
- **Chloride:** Chromium, **Fluoride:** Amm. Nitrogen
- **Bicarbonate:** Cobalt, **Iron:** Total Phosphate
- **Amm. Nitrate:** Copper, **TOC:** Total Alkalinity
- **Silica:** Lead, **RES Phosphate:** Nitrate, Nitrite & Nitrate N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Number: 07987

Elevation (AMSL) (m): 792
AEP: 369166
Licence No.: 30,135.86
Date Started: 14 Mar 93
Northing: 5,936,773.00
Date Completed: 14 Mar 93

Well Owner: Trans Alta
Drilling Contractor: Midwest Water Well Ltd.

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 45.7 (m)
- NPWL (m): 27.4
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 13.7
- Bottom (m): 13.7
- OD (mm): 177.8
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 13.7

Liner:
- Type: Machine
- OD (mm): 141.2
- Thickness (mm): 0.1
- Top (m): 11.6
- Bottom (m): 45.7
- Perforated How: Machine
- from (m): to 45.7
- from (m): to Size:
- from (m): to Size:

Screen:
- Material: Steel
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: 
- Intake (m): 45.7
- Rate (lpm): 68.4
- Time (minute): 120.0
- Level End (m): 45.7
- Drawdown (m): 18.3
- Rec’d intake (m): 38.1
- Rec’d Rate (lpm): 68.4

Laboratory:
- pH (pH unit): 
- Cond. (µS/cm): 
- TDS: 
- Sodium: 
- Nitrate: 
- Strontium: 
- Potassium: 
- Nitrite: 
- Molybdenum: 
- Calcium: 
- TN: 
- Vanadium: 
- Magnesium: 
- TC: 
- Zinc: 
- Carbonate: 
- DIC: 
- Hydroxide: 
- Bicarbonate: 
- Arsenic: 
- Total Hardness: 
- Aluminum: 
- Barium: 
- Manganese: 
- Sulphate: 
- Beryllium: 
- Phosphate: 
- Chloride: 
- Cadmium: 
- Ion Balance: 
- Fluoride: 
- Chromium: 
- Amm. Nitrogen: 
- Iron: 
- Cobalt: 
- Total Phosphate: 
- TOC: 
- Copper: 
- Total Alkalinity: 
- Silica: 
- Lead: 
- Nitrate & Nitrite N: 

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m²/day
Gamma Log: Yes
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
Well Owner: Trans Alta #Dw 93 12
Drilling Contractor: Midwest Water Well Ltd.

Well Number: 07988

Elevation (AMSL) (m): 792
AEP: 379697
Licence No.: Easting: 30,135.86
Date Started: 23 Sep 93 Northing: 5,936,782.50
Date Completed: 23 Sep 93

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Dewatering
- Completed Depth: 42.7 (m)
- NPWL (m): 18.0
- Veriﬁed NPWL (m):
- Abandonment:

**Casing:**
- Type: Steel
- Depth (m): 18.6
- Bottom (m): 18.6
- OD (mm): 177.8
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 18.0

**Liner:**
- Type: Driven
- OD (mm): 139.7
- Thickness (mm): 0.1
- Top (m): 16.5
- Bottom (m): 42.7
- Perforated How: Machine
- from (m): to 42.7
- Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m): 42.7
- Testing:
- Rate (lpm):
- Level End (m): 42.7
- Drawdown (m): 24.7
- Rec’d intake (m): 39.9
- Rec’d Rate (lpm): 228.1

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 29-053-04 W5M**

**Well Owner:** Trans Alta #Dw 95 04  
**Drilling Contractor:** Midwest Water Well Ltd.

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<td>Date Started:</td>
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<td>Date Completed:</td>
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**Depth (BGL) (AMSL) (m) | Lithologic Description | (m) | (m) |  
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<tr>
<td>1.5</td>
<td>783.5</td>
<td>Till</td>
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<td>3.1</td>
<td>782.0</td>
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<td>8.2</td>
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<td>10.7</td>
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<td>12.2</td>
<td>772.8</td>
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<td>14.3</td>
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<td>15.2</td>
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<td>38.4</td>
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<td>744.8</td>
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<td>743.3</td>
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<tr>
<td>44.8</td>
<td>740.2</td>
<td>Shale Gray</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**SW 03-053-05 W5M**

**Well Owner:** Merrills, Craig

Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Well Number:** 08004

**Elevation (AMSL) (m):** 726

**AEP:** 366635

**Licence No.:** Easting: 22,390.98

**Date Started:** 29 Sep 92

**Northing:** 5,930,213.50

**Date Completed:** 30 Sep 92

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.6 (m)
- **NPWL (m):** 15.2
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 33.8
- **Bottom (m):** 33.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal

**Liner:**

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 33.8
- **Bottom (m):** 68.6

**Perforated How:**

- **from (m):** 34.8
- **to 68.6**
- **Size:*

**Screen:**

- **Material:**
- **OD (mm):**
- **Thickness (mm):**

**Open Hole:**

- **from (m):**
- **to**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):** 6.8
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**

---

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SW 03-053-05 W5M**

Well Owner: **Stachniak, J**  
Drilling Contractor: **Blakeman’S, Norm Drilling Ltd.**

<table>
<thead>
<tr>
<th>Elevation (AMSL) (m): 726</th>
<th>AEP: 361100</th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>Easting: 22,390.98</td>
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<tr>
<td>Date Started: 23 May 91</td>
<td>Northing: 5,930,213.50</td>
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<tr>
<td>Date Completed: 24 May 91</td>
<td></td>
</tr>
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</table>

**General:**
- Type of Work: **New Well**  
- Drilling Method: **Rotary**  
- Well Use: **Domestic**  
- Completed Depth: **42.7** m  
- NPWL (m): **14.0**  
- Abandonment:  
  - Type: **Galvanized Steel**  
  - Depth (m): **38.4**  
  - Bottom (m): **38.4**  
  - OD (mm): **114.3**  
  - Thickness (mm): **0.1**  
- Seal Type: **Driven & Bentonite**
- from (m): **38.1**

**Liner:**
- Type:  
  - OD (mm):  
  - Thickness (mm):  
  - Top (m):  
  - Bottom (m):  
- Perforated How:  
  - from (m):  
  - to:  
  - Size:  
  - from (m):  
  - to:  
  - Size:  
  - from (m):  
  - to:  
  - Size:  

**Screen:**
- Material:  
  - OD (mm):  
  - from (m):  
  - to:  
  - Size:  

**Open Hole:**
- from (m):  
  - to:  

**Pump:** **Sub**
- Model: **230v**  
- Intake (m): **30.5**

**Testing:**
- Rate (lpm): **27.4**  
- Time (minute): **180.0**  
- Level End (m): **24.4**  
- Drawdown (m): **10.4**  
- Rec’d Rate (lpm): **22.8**  
- Rec’d intake (m): **30.5**

**Laboratory:**
- pH (pH unit):  
- Cond. (µS/cm):  
- TDS:  
- Sodium: 
- Nitrate:  
- Strontium:  
- Potassium: 
- Nitrite:  
- Molybdenum:  
- Calcium: 
- TC:  
- Zinc:  
- Magnesium: 
- DIC:  
- Hydroxide:  
- Bicarbonate: 
- Arsenic:  
- Total Hardness:  
- Aluminum: 
- Barium: 
- Manganese:  
- Sulphate: 
- Beryllium: 
- Phosphate:  
- Chloride: 
- Cadmium: 
- Ion Balance:  
- Fluoride: 
- Chromium: 
- Amm. Nitrogen:  
- Iron: 
- Cobalt: 
- Total Phosphate:  
- TOC: 
- Copper: 
- Total Alkalinity: 
- silica: 
- Lead: 
- Nitrate&Nitrite:  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**
- **2.4** 723.1 Clay Brown  
- **3.1** 722.5 Clay & Sand Blue  
- **5.5** 720.1 Clay Blue  
- **6.7** 718.8 Sand Brown  
- **10.7** 714.9 Clay Blue  
- **12.8** 712.8 Sand Coarse Grained Blue  
- **19.2** 706.4 Clay Dark Blue  
- **34.1** 691.4 Shale Dark Gray  
- **39.0** 686.5 Shale Light Gray  
- **42.7** 682.9 Sandstone Blue  

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<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<td>Aquifer Test: No</td>
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printed on 2/20/98
**SW 03-053-05 W5M**

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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>Bottom (m): 48.2</td>
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<td>Well Use: Domestic</td>
<td>Casing: Galvanized Steel</td>
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<td>Completed Depth 51.8 (m)</td>
<td>OD (mm): 114.3 Thickness (mm): 0.1</td>
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<td>NPWL (m): 11.6 Verified NPWL (m):</td>
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<td>Abandonment:</td>
<td>from (m): to 48.2</td>
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<td>Type:</td>
<td>Thickness (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<td>Rec'd intake (m):</td>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminum | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

Electric Log: No  Transmissivity: m³/day
Gamma Log: No  Storativity:
Aquifer Test: No  Project: Database: 1.000H
AEP Data: Yes  Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: **08007**

**Well Owner:** Ayre, John  
**Drilling Contractor:** Big Iron Drilling Ltd.

| General: |  
| --- | --- |
| **Type of Work:** New Well  
**Drilling Method:** Cable Tool  
**Well Use:** Domestic  
**Completed Depth (m):** 35.0  
**NPWL (m):** 6.1  
**Verified NPWL (m):**  
**Abandonment:** |
| **Lithologic Description:**  
| **Depth (m):** 7.6  
| **Bottom (m):** 17.4  
| **OD (mm):** 139.7  
| **Thickness (mm):** 0.1  |
| **Seal Type:** Driven  
**from (m):** to 17.4  |
| **Screen:**  
| **Material:**  
**from (m):** to  
| **Size:**  
| **Open Hole:**  
**from (m):** to  
| **Pump:** Sub  
**Model:** Goulds  
**Intake (m):** 27.4  |
| **Testing:**  
| **Rate (lpm):** 9.1  
| **Time (minute):** 120.0  
| **Rec'd intake (m):**  
| **Rec'd Rate (lpm):** 9.1  |

**Laboratory:**

<table>
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<tr>
<th>Chemical Constituents</th>
<th>Concentration (mg/l)</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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</table>
Cond. (µS/cm) |  
TDS |  
Sodium |  
Potassium |  
Calcium |  
Magnesium |  
Carbonate |  
Bicarbonate |  
Aluminium |  
Barium |  
Sulphate |  
Chloride |  
Fluoride |  
Iron |  
TOC |  
Silica |  
COD |  
SAR |  
TKN |  
Nitrate |  
Selenium |  
Nitrite |  
Molybdenum |  
Iron |  
Chromium |  
Arsenic |  
Manganese |  
Beryllium |  
Phosphate |  
Cadmium |  
Amm. Nitrogen |  
Total Hardness |  
Total Phosphate |  
Total Alkalinity |  
Lead |  
Nitrate & Nitrite |  
Mercury |  
Nickel |  
Selenium |  
Vanadium |  
Zinc |  
Hydroxide |  
Total Hardness |  
Bicarbonate |  
Sulphate |  
Chloride |  
Fluoride |  
Iron |  
TOC |  
Silica |  
Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

| Electric Log: No |  
| Transmissivity: m³/day |  
| Gamma Log: No |  
| Storativity: |  
| Aquifer Test: No |  
| Project: Database: 1.000H |  
| AEP Data: Yes |  
| Well Field Verified: No |
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 19.8 m
- **Elevation (AMSL):** 718 m
- **NPWL:** 19.8 m
- **Verified NPWL:** 19.8 m
- **Abandonment:**

## Casing:
- **Type:**
- **Depth:** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **Screen:** from (m): to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Potassium:**
- **TC:**
- **DIC:**
- **Hydroxide:**
- **Chromium:**
- **Cobalt:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Molybdenum:**
- **Nitrite:**
- **Iron:**
- **Manganese:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Cadmium:**
- **Strontium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Total Hardness:**
- **Barium:**
- **Sulphate:**
- **Cadmium:**
- **Strontium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Total Hardness:**
- **Barium:**
- **Sulphate:**
- **Cadmium:**
- **Strontium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Total Hardness:**

## Electric Log:
- **Transmissivity:** m²/day
- **Storativity:**
- **Amm. Nitrogen:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate&Nitrite:**
- **Chloride:**

## Remarks:
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Well Positioning:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**AEP Data:** Yes
- **Well Field Verified:** No

---

**Well Number:** 08008
- **WKT:** Easting: 21,849.02 Northing: 5,930,286.50
- **Elevation (AMSL):** 718 m
- **Licence No.:** 361721

**Drilling Contractor:** Unknown Driller
- **Date Started:**
- **Date Completed:**

**Remarks:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

Note: The table continues with additional data on laboratory results and well field verification status.
Well Number: 08009

Elevation (AMSL) (m): 726  
AEP: 350632  
Licence No.:  
Date Started: 02 Apr 90  
Date Completed: 04 Apr 90  
Address: 22,227.18  
Northing: 5,930,305.00

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<th>Depth Elevation (BGL) (AMSL)</th>
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<td>Well Owner: Berezanski, J.C.</td>
<td>Lithologic Description</td>
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<tr>
<td>Drilling Contractor: Big Iron Drilling Ltd.</td>
<td>(m) (m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>1.8 Topsoil</td>
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<tr>
<td>Type of Work: New Well</td>
<td>6.1 Tilt</td>
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<tr>
<td>Drilling Method: Cable Tool</td>
<td>30.5 Shale &amp; Coal Soft</td>
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<td>Well Use: Domestic</td>
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<td>from (m): to Size</td>
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<td>TOC Copper</td>
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<td>Silica Lead</td>
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</table>

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic
Completed Depth 30.5 (m)
NPWL (m): 9.1
Abandonment:
Casing:
Type: Steel
Depth (m): 15.9
Bottom (m): 15.9
OD (mm): 139.7
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 15.9
Liner:
Type:
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 12.2
Bottom (m): 30.5
Perforated How: Torch
from (m): 12.2
from (m): 30.5
from (m): to 30.5
Size:
Size:
Size:
Screen:
Material:
OD (mm):
from (m): to
from (m): to
from (m): to
Size:
Size:
Size:
Open Hole:
from (m): to
Pump: Sub
Model: Goulds
Intake (m): 24.4
Testing:
Rate (lpm): 9.1
Time (minute): 120.0
Level End (m): 19.8
Drawdown (m): 10.7
Rec'd Rate (lpm): 9.1
Rec'd intake (m): 24.4

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
0.9 717.1 Topsoil
6.1 711.9 Clay
10.7 707.3 Shale Soft Gray
16.8 701.2 Shale Green
29.0 689.1 Shale & Coal Gray
30.5 687.5 Shale Gray

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
### General:
- **Type of Work:** New Well  
- **Drilling Method:** Cable Tool  
- **Well Use:** Domestic  
- **Completed Depth:** 76.2 (m)  
- **NPWL (m):** 9.1  
- **Abandonment:**
  - **Type:** Steel  
  - **Depth (m):** 23.8  
  - **OD (mm):** 139.7  
  - **Thick (mm):** 0.1  
  - **Seal Type:** Driven  
  - **from (m):** to 23.8

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
- **Top (m):** 21.3  
  - **Bottom (m):** 33.5  
- **Perforated How:** Torch  
  - **from (m):** 33.5  
  - **to:** 21.3  
  - **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
  - **from (m):** to  
  - **Thickness:**
- **OD (mm):**  
  - **from (m):** to  
  - **Thickness:**

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** Goulds  
- **Intake (m):** 27.4  
- **Testing:**
  - **Rate (lpm):** 45.6  
  - **Time (minute):** 120.0  
  - **Level End (m):** 27.4  
  - **Rec'd int (m):** 27.4  
  - **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** TKN  
  - **Selenium:**  
- **Sodium:**  
  - **Nitrate:** Strontium  
- **Potassium:**  
  - **Nitrite:** Molybdenum  
- **Calcium:**  
  - **TN:** Vanadium  
- **Magnesium:**  
  - **TC:** Zinc  
- **Carbonate:**  
  - **DIC:** Hydroxide  
- **Bicarbonate:**  
  - **Arsenic:** Total Hardness  
- **Aluminum:**  
  - **Barium:** Manganese  
- **Sulphate:**  
  - **Beryllium:** Phosphate  
- **Chloride:**  
  - **Cadmium:** Ion Balance  
- **Fluoride:**  
  - **Chromium:** Amm. Nitrogen  
- **Iron:**  
  - **Cobalt:** Total Phosphate  
- **TOC:**  
  - **Copper:** Total Alkalinity  
- **Silica:**  
  - **Lead:** Nitrate&Nitrite N  
  - **Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **No**  
- **Transmissivity:** m²/day

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:** Database: 1.000H

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**SW 04-053-05 W5M**

**Well Owner:** Bamforth, Howard/Enid  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Well Number:** 08012  
**Elevation (AMSL) (m):** 723  
**AEP:** 366993  
**Licence No.:** Easting: 21,028.28  
**Date Started:** 12 Aug 92  
**Northing:** 5,936,317.50  
**Date Completed:** 13 Aug 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 36.6 (m)  
- **NPWL (m):** 11.6  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 24.4  
- **Bottom (m):** 24.4  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Other  
- **from (m):** to 14.3

### Liner:
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 11.3  
- **Bottom (m):** 35.7  
- **Perforated How:** Saw  
- **from (m):** to 14.3  
- **Size:**  
- **from (m):** to 35.7  
- **Size:**  
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 13.4  
- **Drawdown (m):** 4.3  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**  

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

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<th>(m)</th>
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<td>718.4</td>
<td>Clay Hard Blue</td>
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<td>5.5</td>
<td>717.5</td>
<td>Coal</td>
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<td>8.5</td>
<td>714.5</td>
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<td>15.2</td>
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<td>16.8</td>
<td>706.2</td>
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<td>24.1</td>
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<td>36.6</td>
<td>686.4</td>
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### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
**SW 04-053-05 W5M**

**Well Owner:** Kehr, Brent  
**Drilling Contractor:** D&D Water Well Drilling & Services

---

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth</th>
<th>NPWL (m)</th>
<th>Verified NPWL (m):</th>
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</thead>
<tbody>
<tr>
<td>109.7 (m)</td>
<td>26.5</td>
<td></td>
</tr>
</tbody>
</table>

**Abandonment:**

- **Type:** Plastic  
- **Depth (m):** 42.1  
- **Bottom (m):** 42.1  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** 2.7  
- **to:** 42.1

### Liner:

- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 40.5  
- **Bottom (m):** 109.7

**Perforated How:** Saw  
- **from (m):** 67.1  
- **to:** 109.7  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**

### Screen:

- **Material:**  
- **OD (mm):** 107.3  
- **Thickness (mm):**  
- **from (m):**  
- **to:**  
- **Size:**  
- **from (m):**  
- **to:**  
- **Size:**

### Open Hole:

- **from (m):**  

### Pump:

- **Model:**  
- **Intake (m):** 91.4

### Testing:

- **Rate (lpm):** 6.8  
- **Time (minute):** 600.0  
- **Level End (m):** 85.3  
- **Drawdown (m):** 58.8  
- **Rec'd intake (m):** 91.4  
- **Rec'd Rate (lpm):** 4.6

### Laboratory:

- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Strontium:**  
- **Potassium:** Nitrite  
- **Molybdenum:**  
- **Calcium:** TN  
- **Vanadium:**  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate & Nitrite:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation:

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<td>109.7</td>
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</table>

### Electric Log:

- **No**  
- **Transmissivity:** m²/day

### Gamma Log:

- **No**  
- **Storativity:**

### Aquifer Test:

- **No**  
- **Total Phosphate:**

### AEP Data:

- **Yes**  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on 2/20/98**
### General Information
- **Well Owner:** Sunley, John F.
- **Drilling Contractor:** D&D Water Well Drilling & Services

#### Drilling Details
- **Well Number:** 08014
- **Elevation (AMSL) (m):** 723
- **AEP:** 373955
- **Date Started:** 18 Aug 93
- **Easting:** 21,028.28
- **Date Completed:** 19 Aug 93
- **Northing:** 5,930,317.50

#### Lithologic Description
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<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.3</td>
<td>718.7</td>
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</tr>
<tr>
<td>93.6</td>
<td>629.4</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

#### Screen Information
- **Type:** Plastic
- **Depth (m):** 41.8
- **Bottom (m):** 41.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 2.7 to 41.8

#### Liner Information
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 40.8
- **Bottom (m):** 93.6
- **Perforated How:** Saw
- **from (m):** 48.8 to 91.4
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Pump Information
- **Model:**
- **Intake (m):** 93.6

#### Testing Information
- **Rate (lpm):** 6.8
- **Time (minute):** 420.0
- **Level End (m):** 70.1
- **Drawdown (m):** 46.6
- **Rec'd intake (m):** 76.2
- **Rec'd Rate (lpm):** 4.6

#### Laboratory Results
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS (µS/cm):**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Bicarbonate:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Amm. Nitrogen:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates/Nitrite:**

#### Remarks
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
- **NPWL (m):** 30.5
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 18.6
- **Bottom (m):** 18.6
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 18.6

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 15.2
- **Bottom (m):** 45.7

### Perforated How:

- **Type:** Machine
- **from (m):** 33.5 to 45.7
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 4.6
- **Time (minute):** 120.0
- **Level End (m):** 45.7
- **Drawdown (m):** 33.5
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>TDS</td>
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<tr>
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<td>Nitrate&amp;Nitrite N</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- pH (pH unit) COD
- Cond. (µS/cm) SAR
- TDS TKN
- Sodium Nitrate
- Potassium Nitrate
- Calcium TN
- Magnesium TC
- Carbonate DIC
- Bicarbonate Arsenic
- Aluminium Barium
- Sulphate Beryllium
- Chloride Cadmium
- Fluoride Chromium
- Iron Cobalt
- TOC Copper
- Silica Lead

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<td>Lead</td>
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**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(No Lithologic Information Available)</td>
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</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

printed on 2/20/98

---
**General:**
- **Type of Work:** Piezometer
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth (m):** (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** Bottom (m):
- **OD (mm):** 25.4
- **Thickness (mm):**
- **Seal Type:** from (m) to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m) to to Size:
- **from (m) to to Size:**
- **from (m) to to Size:**

**Screen:**
- **Material:**
- **OD (mm):** from (m) to Size:
- **from (m) to to Size:**

**Open Hole:**
- **from (m) to to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by Mow-Tech in 10TM NAD 27**
General:
Type of Work: Piezometer
Drilling Method: Drilled
Well Use: Investigation
Completed Depth 33.5 (m)
NPWL (m): Verified NPWL (m):
Abandonment:
Casing:
Type: Plastic
Depth (m): 31.7 Bottom (m): 31.7
OD (mm): 25.4 Thickness (mm):
Seal Type:
from (m): to
Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump:
Model:
Intake (m):
Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number: 08019**

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<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 06-053-05 W5M**

**Well Owner:** Irwin, R.W (Wally)

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

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<td>Date Completed: 05 Jun 91</td>
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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.0 (m)
- **NPWL (m):** .9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 28.0
- **Bottom (m):** 28.0
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 28.0

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 4.3
- **Bottom (m):** 102.4

**Perforated How:** Machine
- **from (m):** 47.2 to 102.4
- **Size:**
- **from (m):** to 102.4
- **Size:**
- **from (m):** to 102.4
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:** Goulds
- **Model:** 5g05412
- **Intake (m):** 79.2

**Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 240.0
- **Level End (m):** 67.1
- **Drawdown (m):** 66.1
- **Rec’d intake (m):** 82.3
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **TN:**
- **TC:**
- **Magnesium:**
- **DIN:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Silicate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on 2/20/98**
NW 06-053-05 W5M

Well Owner: Moffat, Norma L.
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Elevation (AMSL) (m): 732
Licence No.: 357299
Date Started: 02 May 91
Easting: 17,486.95
Date Completed: 02 May 91
Northing: 5,931,399.00

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| Electric Log: No | Transmissivity: m³/day |
| Gamma Log: No    | Storativity:          |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes    | Well Field Verified: No |

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| Remarks: |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 08022**

**Elevation (AMSL) (m): 727**

**AEP: 350353**

**Date Started: 29 Mar 90**

**Date Completed: 30 Mar 90**

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic & Stock
- **Completed Depth:** 41.2 (m)
- **NPWL (m):** 12.2
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 16.8
- **Bottom (m):** 41.2
- **Perforated How:** Torch

### Screen:

- **Material:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**

### Open Hole:

- **from (m):**
- **to (m):**

### Pump:

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 24.4
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Electric Log:

- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:**
- **Database:** 1.000H

### Laboratory:

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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
- **NPWL (m):** 1.2
- **Veriﬁed NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 21.9
- **Bottom (m):** 21.9
- **Thickness:** 0.1
- **OD (mm):** 152.4
- **Seal Type:** Driven
- **from (m):** to 21.6

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 21.3
- **Bottom (m):** 27.4
- **Perforated How:** Machine
- **from (m):** to 27.4

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 15.2

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Levelf (m):** 4.0
- **Drawdown (m):** 2.7
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 36.5

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Vanadium:**
- **Selenium:**
- **Molybdenum:**
- **IC:**
- **DIC:**
- **Hydroxide:**
- **TC:**
- **Magnesium:**
- **Manganese:**
- **Barium:**
- **Aluminum:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**NE 07-053-05 W5M**

**Well Owner:** Ginder, Stefan  
Drilling Contractor: Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m): 759**  
**AEP: 350799**  
**Licence No.:** Easting: 18,345.04  
**Date Started:** 07 Feb 90  
**Nothing:** Northing: 5,933,217.50  
**Date Completed:** 07 Feb 90

| Well Number: 08024 |

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| Casing: | | |
|-----------|----------------| |
| Type: Plastic | | |
| Depth (m): 30.8 | Bottom (m): 30.8 | |
| OD (mm): 139.7 | Thickness (mm): 0.1 | |
| Seal Type: Driven | | |
| from (m): to 30.8 | |

| Liner: | | |
|---------|----------------| |
| Type: | Driven | |
| OD (mm): 114.3 | Thickness (mm): 0.1 | |
| Top (m): 29.6 | Bottom (m): 41.8 | |

| Screen: | | |
|---------|----------------| |
| Material: | | |
| OD (mm): | | |
| from (m): to | |
| from (m): to | |

| Open Hole: | | |
|------------|----------------| |
| from (m): to | | |

| Pump: | | |
|-------|----------------| |
| Model: | | |
| Intake (m): 33.5 | |

| Testing: | | |
|----------|----------------| |
| Rate (lpm): 91.2 | Time (minute): 120.0 | |
| Level End (m): 30.5 | Drawdown (m): 6.7 | |
| Rec'd intake (m): | Rec'd Rate (lpm): | |

| Laboratory: | | |
|-------------|----------------| |
| pH (pH unit): | COD | Mercury |
| Cond. (µS/cm): | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite N |

| Remarks: | | |
|----------|----------------| |
| Chemical Constituents are in mg/l (ppm). Except as noted. | | |

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Old Well-Test
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 25.0 (m)
- **NPWL (m):** Unknown
- **Verified NPWL (m):** Unknown
- **Abandonment:** Unknown

**Casing:**
- **Type:** Unknown
- **Depth (m):** Bottom (m): 114.3
- **OD (mm):** 114.3
- **Thickness (mm):** to
- **Seal Type:** from (m): to

**Liner:**
- **Type:** Unknown
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Screen:**
- **Material:** Unknown
- **OD (mm):** Thickness (mm):
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number 08025**
- **Elevation (AMSL) (m):** 759
- **AEP:** 418393
- **Date Started:** 18 Aug 95
- **Date Completed:** 18 Aug 95

**Water Well Positioned by PFRA in 10TM NAD 27**

**Project:** 1.000H
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**
- Completed Depth: **36.6** (m)
- NPWL (m): **1.2**
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: **Plastic**
- Depth (m): **20.4**
- Bottom (m): **20.4**
- OD (mm): **152.4**
- Thickness (mm): **0.1**
- Seal Type: **Formation Seal**
- from (m): **20.4**

**Liner:**
- Type:
- OD (mm): **127.0**
- Thickness (mm): **0.1**
- Top (m): **17.4**
- Bottom (m): **35.7**

**Perforated How:**
- Saw
- from (m): **17.4**
- to **35.7**
- Size:
- from (m): **to**
- Size:
- from (m): **to**
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m): **to**
- from (m): **to**
- from (m): **to**

**Open Hole:**
- from (m): **to**

**Pump:**
- Model:
- Intake (m):
- Rate (lpm): **63.9**
- Time (minute): **420.0**
- Level End (m): **6.1**
- Drawdown (m): **4.9**
- Rec’d intake (m): Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Iron Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**NE 07-053-05 W5M**

**Well Owner:** Timoteo, Enzo  
**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

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| Pump: Goulds | |
| Model: 7g05412 | |
| Intake (m): 33.5 | |

| Water Well Positioned by PFRA in 10TM NAD 27 |

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**NE 07-053-05 W5M**

**Well Owner:** Wacken, Mr.

**Drilling Contractor:** Bar-K Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 759

**AEP:** 353951

**Licence No.:** Easting: 18,345.04

**Date Started:** 12 Oct 90

**Nortthing:** 5,933,217.50

**Date Completed:** 12 Oct 90

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### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
- **NPWL (m):** 1.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 22.3
- **Bottom (m):** 22.3
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 21.9

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 21.3
- **Bottom (m):** 27.4
- **Perforated How:** Machine
- **from (m):** to 27.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 9.1

### Testing:
- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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<td>Barium</td>
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Well Number: NW 07-053-05 W5M

Well Owner: Albo, Lou
Drilling Contractor: Morrill’S Water Well Drilling Ltd.

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<td>(m)</td>
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</tr>
</tbody>
</table>

| Casing: | | |
|----------|----------|
| Type: Plastic | Depth (m): 26.8 Bottom (m): 26.8 |
| OD (mm): 139.7 | Thickness (mm): 0.1 |
| Seal Type: Driven from (m): to 26.8 |

| Liner: | | |
|----------|----------|
| Type: Driven | OD (mm): 114.3 Thickness (mm): 0.1 |
| Top (m): 26.2 Bottom (m): 36.3 |

| Screening: | | |
|-------------|----------|
| Material: | Perforated How: Machine |
| OD (mm): | from (m): 32.9 to 36.3 Size: |
| from (m): to 36.3 Size: |
| from (m): to 36.3 Size: |

| Open Hole: | | |
|-------------|----------|
| from (m): to |

| Pump: | | |
|--------|----------|
| Model: | Intake (m): 27.4 |
| Testing: | |
| Rate (lpm): 45.6 | Time (minute): 120.0 |
| Level End (m): 27.4 | Drawdown (m): 7.0 |
| Rec'd intake (m): 27.4 Rec'd Rate (lpm): 36.5 |

| Laboratory: | | Electric Log: No |
|-------------|----------| Transmissivity: m³/day |
| pH (pH unit): | COD |  |
| Cond. (µS/cm): | SAR | Mercury |
| TDS | KTN | Nickel |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate & Nitrite |

<table>
<thead>
<tr>
<th>Remarks:</th>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
</thead>
</table>

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work**: Chemistry
- **Drilling Method**: Unknown
- **Well Use**: Domestic
- **Completed Depth**: 15.2 (m)
- **NPWL (m)**: Verified NPWL (m):
- **Abandonment**:

### Casing:
- **Type**:
  - **Depth (m)**: Bottom (m):
  - **OD (mm)**: Thickness (mm):
- **Seal Type**:
  - **from (m)**: to

### Liner:
- **Type**:
  - **OD (mm)**: Thickness (mm):
  - **Top (m)**: Bottom (m):
- **Perforated How**:
  - **from (m)**: to **Size**:
  - **from (m)**: to **Size**:
  - **from (m)**: to **Size**:

### Screen:
- **Material**:
  - **OD (mm)**: from **to** **Size**:
  - **from (m)**: to **Size**:

### Open Hole:
- **from (m)**: to

### Pump:
- **Model**:
- **Intake (m)**:
- **Rate (lpm)**:
- **Time (minute)**:
- **Level End (m)**: Drawdown (m):
- **Rec'd intake (m)**: **Rec'd Rate (lpm)**:

### Laboratory:
- **31 Jul 85**
- **pH (pH unit)**: 8.10
- **Cond. (μS/cm)**: 812.0
- **TDS**: 485.0
- **Sodium**: 164.91
- **Potassium**: 1.96
- **Calcium**: 33.07
- **Magnesium**: 4.99
- **Bicarbonate**: 542.99
- **Aluminum**: Barium
- ** Sulphate**: 10.09
- **Chloride**: Cadmium
- **Fluoride**: 0.18
- **Iron**: 1.23
- **TOC**: Copper
- **Silica**: 19.60
- **Laboratory**:
  - **COD**: Mercury
  - **SAR**: Nickel
  - **TKN**: 0.03
  - **Nitrate**: 0.03
  - **Nitrite**: Molybdenum
  - **TC**: 1.06
  - **DIC**: Hydroxide
  - **Bicarbonate**: Arsenic
  - **Aluminum**: Manganese
  - **Sulphate**: Beryllium
  - **Chloride**: Cadmium
  - **Fluoride**: Chromium
  - **Iron**: Cobalt
  - **TOC**: Copper
  - **Silica**: Lead

### Lithologic Description:
*(No Lithologic Information Available)*

### Electric Log:
- **Transmissivity**:
- **Gamma Log**:
- **Aquifer Test**:
- **TOC**:
- **Nitrate**:
- **Nitrile**:
- **Total Hardness**:
- **Bicarbonate**:
- **Total Alkalinity**:

### Remarks:
*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
**NW 07-053-05 W5M**

**Well Owner:** Lockhart Construction Group  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Well Number:** 08031  
**Elevation (AMSL) (m):** 760  
**AEP:** 368601  
**Licence No.:** Easting: 17,763.79  
**Date Started:** 22 Oct 92  
**Northing:** 5,932,890.50  
**Date Completed:** 22 Oct 92

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 37.8 (m)  
- **NPWL (m):** 7.6  
- **Verified NPWL (m):**  
- **Abandonment:** 

**Casing:**
- **Type:** Plastic  
- **Depth (m):** 15.5  
- **Bottom (m):** 15.5  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Bentonite Chips/Tabl  
- **from (m):** to 15.5

**Liner:**
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 12.5  
- **Bottom (m):** 36.9  
- **Perforated How:** Saw  
- **from (m):** to 36.9  
- **Size:**

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 45.6  
- **Time (minute):** 420.0  
- **Level End (m):** 18.3  
- **Drawdown (m):** 7.6  
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Selenium:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Carbonate:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Amm. Nitrogen:**  
- **Fluoride:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Remarks:**  
*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27  
printed on 2/20/98
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 24.4
- **Bottom (m):** 24.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.2
- **Seal Type:** Driven
- **from (m):** to 29.9

**Liner:**

- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 4.3
- **Bottom (m):** 29.6

**Perforated How:** Saw

- **from (m):** 30.2 to 42.7
- **Size:**
- **from (m):** to 30.2
- **Size:**
- **from (m):** to 30.2
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:** Sub

- **Model:** Berkley 10m7
- **Intake (m):** 12.2

**Testing:**

- **Rate (lpm):** 63.9
- **Time (minute):** 180.0
- **Level End (m):** 12.2
- **Drawdown (m):** 9.1
- **Rec’d Rate (lpm):** 45.6
- **Rec’d intake (m):**

**Laboratory:**

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<th>pH (pH unit)</th>
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<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>TDS</td>
<td>TKN</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<th>(m)</th>
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<td>11.6</td>
<td>748.0</td>
<td>Shale</td>
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<td>20.7</td>
<td>738.9</td>
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<td>21.3</td>
<td>738.3</td>
<td>Shale</td>
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<td>27.4</td>
<td>732.2</td>
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<td>29.0</td>
<td>730.6</td>
<td>Gravel</td>
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<td>729.1</td>
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<td>39.0</td>
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<td>42.7</td>
<td>716.9</td>
<td>Shale</td>
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</table>

**Database:**

- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No

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**Printed on:** 2/20/98
**NW 07-053-05 W5M**

**Well Owner:** Roper, Lyall  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 30.5 (m)  
- **NPWL (m):** 2.4  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 18.6  
- **Bottom (m):** 18.6  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 18.6

**Liner:**  
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 16.5  
- **Bottom (m):** 30.5  
- **Perforated How:** Machine  
- **from (m):** 21.3 to 24.4  
- **Size:**  
- **from (m):** 27.4 to 30.5  
- **Size:**  
- **from (m):** to  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  

**Open Hole:**  
- **from (m):**  

**Pump:** Sub  
- **Model:** Gould 7eh05  
- **Intake (m):** 9.1

**Testing:**  
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 9.1  
- **Drawdown (m):** 6.7  
- **Rec’d Rate (lpm):** 45.6

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TKN:**  
- **Nitrate:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Depth Elevation**  
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<th>(m)</th>
<th>(m)</th>
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<td>5.8</td>
<td>753.8</td>
<td>Sand &amp; Boulders Gray</td>
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<td>7.9</td>
<td>751.7</td>
<td>Sand Brown</td>
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<td>10.4</td>
<td>749.2</td>
<td>Shale Sandy Gray</td>
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<td>747.1</td>
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<td>23.5</td>
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<tr>
<td>30.5</td>
<td>729.1</td>
<td>Sand &amp; Sandstone Gray</td>
</tr>
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</table>

**Elevation (AMSL) (m):** 760  
**AEP:** 376555  
**Licence No.:** 17,763.79  
**Easting:**  
**Nothing:** 5,932,890.50

**Date Started:** 18 May 93  
**Date Completed:** 18 May 93

**Remarks:**
- Electric Log: No  
- Transmissivity:  
- m²/day  
- Gamma Log: No  
- Storativity:  
- Aquifer Test: No  
- Project:  
- Database: 1.000H  
- AEP Data: Yes  
- Well Field Verified: No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
SE 07-053-05 W5M

Well Owner: Derosa, Tony
Drilling Contractor: Morrill'S Water Well Drilling Ltd.

Well Number 08034

Elevation (AMSL) (m): 733
AEP: 400388
Licence No.: 17,476.34
Date Started: 05 Mar 93
Northing: 5,931,840.00
Date Completed: 05 Mar 93

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 42.1 (m)
- NPWL (m): 24.7
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Plastic
- Depth (m): 32.9
- Bottom (m): 32.9
- OD (mm): 139.7
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): to 32.9

Liner:
- Type: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 32.3
- Bottom (m): 42.1
- Perforated How: Machine
- from (m): to 42.1
- Size:
- from (m): to
- Size:
- from (m): to
- Size:

Screen:
- Material:
- OD (mm):
- from (m): to
- Size:
- from (m): to
- Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m): 31.4

Testing:
- Rate (lpm): 91.2
- Time (minute): 120.0
- Level End (m): 31.4
- Drawdown (m): 6.7
- Rec'd intake (m): 36.6
- Rec'd Rate (lpm): 68.4

Laboratory:

<table>
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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No
Well Number: 08035

SE 07-053-05 W5M

Well Owner: Tessier, Marcel/Marianne
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 733
Licence No.: AEP: 356928
Date Started: Easting: 17,476.34
Date Completed: Northing: 5,931,840.00

General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth: 20.7 (m)
NPWL (m): 
Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminium: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**Well Number**: 08036

**Well Owner**: Bray, Stan

**Elevation (AMSL) (m)**: 752

**Drilling Method**: Not Applicable

**Licence No.**: E: 356929

**Well Use**: Domestic

**Date Started**: 17,530.70

**Date Completed**: 5,932,085.00

### General:
- **Type of Work**: Chemistry
- **Well Use**: Domestic
- **Completed Depth**: 50.3 (m)
- **NPWL (m)**: Verified NPWL (m):
- **Abandonment**:

### Casing:
- **Type**:
- **Depth (m)**: Bottom (m):
- **OD (mm)**: Thickness (mm):
- **Seal Type**:
- **from (m)**: to

### Liner:
- **Type**:
- **OD (mm)**: Thickness (mm):
- **Top (m)**: Bottom (m):
- **Perforated How**:
- **from (m)**: to Size:

### Screen:
- **Material**:
- **OD (mm)**:
- **from (m)**: to Size:
- **from (m)**: to Size:

### Open Hole:
- **from (m)**: to

### Pump:
- **Model**:
- **Intake (m)**:

### Testing:
- **Rate (lpm)**:
- **Time (minute)**:
- **Level End (m)**:
- **Drawdown (m)**:
- **Rec'd intake (m)**:

### Laboratory:
- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminum**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **COD**
- **SAR**
- **TKN**
- **Nitrate**
- **Nitrite**
- **Beryllium**
- **Barium**
- **Manganese**
- **Selenium**
- **Strontium**
- **Sodium**
- **Nitrite**
- **Molybdenum**
- **Vanadium**
- **Hydroxide**
- **Arsenic**
- **Chromium**
- **Cadmium**
- **Copper**
- **Galium**
- **Lead**
- **Mercury**
- **Nickel**
- **Selenium**
- **Sodium**
- **Lead**
- **Bicarbonate**
- **Magnesium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**

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### Lithologic Description:
- **(No Lithologic Information Available)**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Positioned**: 2/20/98
**Well Number 08037**

Well Owner: *Burke Perry Homes/Davidson, B*

Drilling Contractor: *Mcginn, Gerald Drilling Ltd.*

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 28.7 (m)
- **NPWL (m):** 3.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 19.5
- **Bottom (m):** 19.5
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 19.5

**Liner:**
- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 16.1
- **Bottom (m):** 27.7
- **Perforated How:** Saw
- **from (m):** 16.1 to 27.7
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 63.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):** 2.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 63.9

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**SW 07-053-05 W5M**  
*Well Owner: Caley*  
*Drilling Contractor: Blakeman’S, Norm Drilling Ltd.*

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 42.7 (m)  
- **NPWL (m):** 1.8  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**
- **Type:**  
  - **Depth (m):**  
  - **Bottom (m):**  
  - **OD (mm):**  
  - **Thickness (mm):**  
  - **Seal Type:** Shale Trap & Bentoni  
  - **from (m):** to 1.5  

**Liner:**
- **Type:**  
  - **OD (mm):** 127.0  
  - **Thickness (mm):** 0.1  
  - **Top (m):**  
  - **Bottom (m):** 30.5  

**Perforated How:** Saw  
- **from (m):** to 22.9  
  - **Size:**  
- **from (m):** to 29.0  
  - **Size:**  
- **from (m):** to  
  - **Size:**  

**Screen:**
- **Material:**  
  - **OD (mm):**  
  - **from (m):** to  
  - **from (m):** to  

**Open Hole:**
- **from (m):** to  

**Pump:**
- **Model:**  
  - **Intake (m):** 24.4  

**Testing:**
- **Rate (lpm):** 13.7  
  - **Time (minute):** 180.0  
  - **Level End (m):**  
  - **Drawdown (m):**  
  - **Rec’d intake (m):**  
  - **Rec’d Rate (lpm):** 13.7  

**Laboratory:**
- **pH (pH unit):**  
- **Cond. (µS/cm):** SAR  
- **COD:**  
- **Nickel:**  
- **Selenium:**  
- **Strontium:**  
- **Selenium:**  
- **Molybdenum:**  
- **Vanadium:**  
- **Zinc:**  
- **Hydroxide:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Beryllium:**  
- **Phosphate:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Total Phosphate:**  
- **TC:**  
- **Total Alkalinity:**  
- **TOC:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<td>42.7</td>
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<td>Shale Dark Gray</td>
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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 28.7 (m)
- **NPWL (m):** 7.6
- **Abandonment:**
- **Seal Type:** Formation Seal
  - **from (m):** to 22.9

### Liner:
- **Type:**
- **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
- **Top (m):** 18.9
  - **Bottom (m):** 27.7
- **Perforated How:** Machine
  - **from (m):** 18.9 to 27.7
  - **Size:**
    - from (m): to
    - from (m): to
    - from (m): to

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to
  - from (m): to
  - from (m): to

### Open Hole:
- from (m): to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 63.9
  - **Time (minute):** 420.0
- **Level End (m):** 12.2
  - **Drawdown (m):** 4.6
- **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
  - **Material:**
  - **OD (mm):**
  - **Size:**
  - **Size:**
  - **Size:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SW 07-053-05 W5M**

Well Owner: **Craig, P**  
Drilling Contractor: Blakeman's Norm Drilling Ltd.

### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 36.6 (m)  
- **NPWL (m):** 1.8  
- **Abandonment:**

### Casing:

- **Type:** Galvanized Steel  
- **Depth (m):** 28.4  
- **Bottom (m):** 28.4  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 25.0

#### Liner:

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to  
  - **Size:**
  - **to (m):** to  
  - **Size:**

#### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**
- **to (m):** to  

#### Open Hole:

- **from (m):** to

#### Pump:

- **Model:**  
- **Intake (m):** 24.4

#### Testing:

- **Rate (lpm):** 9.1  
- **Time (minute):** 120.0  
- **Level End (m):** 22.6  
- **Receivable Rate (m):** 24.4  
- **Rec'd Rate (lpm):**

---

**Laboratory:**

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<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 34.4 m
- **NPWL (m):** 4.6
- **Verified NPWL (m):**
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 27.4
  - **Bottom (m):** 27.4
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to 27.4
- **Liner:**
  - **Type:**
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
  - **Top (m):** 25.9
  - **Bottom (m):** 33.5
- **Perforated How:** Saw
  - **from (m):** to 33.5
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 91.2
  - **Time (minute):** 420.0
  - **Level End (m):** 4.6
  - **Drawdown (m):**
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):** 91.2

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **TC:**
- **Zinc:**
- **Magnesium:**
- **TC:**
- **Calcium:**
- **Dic:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

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<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
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<td>34.4</td>
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<td>Shale &amp; Coal Brown</td>
</tr>
</tbody>
</table>

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**General:**
Type of Work: New Well  
Drilling Method: Rotary  
Well Use: Domestic  
Completed Depth: 54.9 m  
NPWL (m): 3.1  
Verified NPWL (m):  
Abandonment:

**Casing:**
Type: Plastic  
Depth (m): 42.1  
Bottom (m): 42.1  
OD (mm): 141.2  
Thickness (mm): 0.2  
Seal Type: Driven  
from (m): to 42.1  

**Liner:**
Type:  
OD (mm): 141.2  
Thickness (mm): 0.2  
Top (m): 3.4  
Bottom (m): 42.1  

**Perforated How:** Saw  
from (m): 17.7  
to 33.5  
Size:  
from (m): to  
Size:  
from (m): to  
Size:  

**Screen:**
Material:  
OD (mm):  
from (m): to  
Size:  
from (m): to  
Size:  
Open Hole:  
from (m): to  

**Pump:**
Model:  
Intake (m): 18.3  

**Testing:**
Rate (lpm): 45.6  
Time (minute): 420.0  
Level End (m): 18.3  
Drawdown (m): 18.3  
Rec'd intake (m): 18.3  
Rec'd Rate (lpm): 45.6  

**Laboratory:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>COD</th>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
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<td>Barium</td>
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<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
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<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number: 08042**

**Sw 07-053-05 W5M**

Well Owner: **Forest, Bob**

Drilling Contractor: **Kap’S Drilling Ltd.**

**Elevation (AMSL) (m):** 752  
**AEP: 365319**  
**Licence No.:**  
**Date Started:** 17 Jun 92  
**Easting:** 17,530.70  
**Date Completed:** 18 Jun 92  
**Northing:** 5,932,085.00  

---

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 m
- **NPWL (m):** 2.4
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 23.2
- **Bottom (m):** 23.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Table
- **from (m):** to 23.2

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 21.3
- **Bottom (m):** 41.2
- **Perforated How:** Saw
- **from (m):** to 41.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Sub
- **Intake (m):** 30.5

#### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 30.5
- **Drawdown (m):** 28.0
- **Rec'd Intake (m):** 30.5
- **Rec'd Rate (lpm):** 13.7

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrate:**
- **Selenite:**
- **Sodium:**
- **Nitrite:**
- **Vanadium:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate/Nitrite N**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 30.5 (m)
  - **NPWL (m):** 2.1
  - **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 18.3
  - **Bottom (m):** 18.3
- **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
  - **from (m):** to 18.3

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:** PI
- **OD (mm):** 1.5
  - **from (m):** 18.3 to 30.5
  - **Size:** 0.01
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**
- **Intake (m):** 22.9

**Testing:**
- **Rate (lpm):** 91.2
  - **Time (minute):** 120.0
- **Level End (m):** 22.9
  - **Drawdown (m):** 20.7
- **Rec'd intake (m):** 24.4
  - **Rec'd Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**
- **BGL (m):**
- **AMSL (m):**

**Lithologic Description**
- 9.1 743.0 Sand
- 24.4 727.8 Clay
- 27.4 724.7 Sand & Coal
- 30.5 721.7 Shale

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
**SW 07-053-05 W5M**

**Well Number:** 08046

**Well Owner:** Mcmullen, Gene/Sharen

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 752

**Licence No.:** 406444

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<th>Date Started:</th>
<th>15 May 95</th>
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<tbody>
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**Depth Elevation**

<table>
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<tr>
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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tr>
<td></td>
<td></td>
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<td>4.3</td>
</tr>
<tr>
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<td>24.1</td>
</tr>
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<td>28.7</td>
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<td>29.3</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>31.1</td>
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<td>31.7</td>
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<tr>
<td></td>
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<td>34.4</td>
</tr>
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<td>35.4</td>
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**General**

<table>
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<tr>
<th>Type of Work:</th>
<th>New Well</th>
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<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<tr>
<td>Completed Depth:</td>
<td>35.4 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>3.7</td>
</tr>
<tr>
<td>Verified NPWL (m):</td>
<td></td>
</tr>
<tr>
<td>Abandonment:</td>
<td></td>
</tr>
</tbody>
</table>

**Casing**

| Type: | Plastic |
| Depth (m): | 26.5 |
| Bottom (m): | 26.5 |
| OD (mm): | 152.4 |
| Thickness (mm): | 0.1 |
| Seal Type: | Shale Trap & Bentoni |
| from (m): | to 26.5 |
| Liner**:**

| Type: |  |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Top (m): | 25.0 |
| Bottom (m): | 35.4 |
| Perforated How: | Saw |
| from (m): | 28.7 to 35.4 |
| Size: |  |
| from (m): | to 35.4 |
| Size: |  |
| from (m): | to 35.4 |
| Size: |  |

**Screen**

| Material: |  |
| OD (mm): |  |
| from (m): | to  |
| Size: |  |
| from (m): | to  |
| Size: |  |

**Open Hole**

|  |
| from (m): | to  |

**Pump**

| Model: |  |
| Intake (m): | 35.4 |

**Testing**

| Rate (lpm): | 95.8 |
| Time (minute): | 120.0 |
| Level End (m): | 27.4 |
| Drawdown (m): | 23.8 |
| Rec'd intake (m): | 15.2 |
| Rec'd Rate (lpm): | 22.8 |

**Laboratory**

| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS: | TKN |
| Sodium: | Nitrate |
| Potassium: | Nitrite |
| Calcium: | TN |
| Magnesium: | TC |
| Carbonate: | DIC |
| Bicarbonate: | Arsenic |
| Aluminium: | Barium |
| Sulphate: | Beryllium |
| Chloride: | Cadmium |
| Fluoride: | Chromium |
| Iron: | Cobalt |
| TOC: | Copper |
| Silica: | Lead |
| pH (pH unit): |  |
| Cond. (µS/cm): |  |
| TDS: |  |
| Sodium: |  |
| Potassium: |  |
| Calcium: |  |
| Magnesium: |  |
| Carbonate: |  |
| Bicarbonate: |  |
| Aluminium: |  |
| Sulphate: |  |
| Chloride: |  |
| Fluoride: |  |
| Iron: |  |
| TOC: |  |
| Silica: |  |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 08047

Well Owner: Melner, Jay
Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 30.5 m
- **NPWL (m):** 1.2
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 24.4
- **Bottom (m):** 24.4
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 24.1

**Liner:**
- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):** 0.1
- **Top (m):** 24.4
- **Bottom (m):** 30.5
- **Perforated How:** Other
- **from (m):** 25.9 to 29.0
- **Size:**
- **from (m):** to 29.0
- **Size:**
- **from (m):** to 29.0
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to 29.0
- **Size:**
- **from (m):** to 29.0
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**
- **Intake (m):** 18.3

**Testing:**
- **Rate (lpm):** 54.7
- **Time (minute):** 120.0
- **Level End (m):** 12.2
- **Drawdown (m):** 11.0
- **Rec’d intake (m):** 20.7
- **Rec’d Rate (lpm):** 54.7

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation**

<table>
<thead>
<tr>
<th>BGL (m)</th>
<th>AMSL (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>750.6</td>
<td>Sand</td>
</tr>
<tr>
<td>7.9</td>
<td>744.2</td>
<td>Clay Blue</td>
</tr>
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<td>12.8</td>
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<td>Clay Sandy Blue</td>
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<td>15.5</td>
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<td>Clay Blue</td>
</tr>
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<td>18.9</td>
<td>733.3</td>
<td>Sand</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
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<td>Licence No.:</td>
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<tr>
<td></td>
<td>Date Started:</td>
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<tr>
<td></td>
<td>Date Completed:</td>
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**Well Use:** Domestic

**Completed Depth:** 31.1 (m)

**NPWL (m):** Verified NPWL (m):

**Abandonment:**

**Casing:**

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<tr>
<td>Seal Type: from (m): to</td>
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**Liner:**

<table>
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<tr>
<th>Type</th>
<th>OD (mm): Thickness (mm):</th>
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</thead>
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<td>Top (m): Bottom (m):</td>
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**Perforated How:**

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**Screen:**

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<td>Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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</tbody>
</table>

**Open Hole:**

| from (m): to |

**Pump:**

| Model: | Intake (m): |

**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tr>
<td>Level End (m): Drawdown (m):</td>
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<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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</tr>
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**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>Calcium</td>
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<td>Vanadium</td>
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<td>Magnesium</td>
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<td>Zinc</td>
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<td>Total Hardness</td>
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<td>Silicon</td>
<td>Lead</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

printed on 2/20/98
SW 07-053-05 W5M

Well Owner: Pete'S Second Hand Store
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Well Number: 08049
Elevation (AMSL) (m): 752
AEP: 372474
Licence No.: Easting: 17530.70
Date Started: 06 Jul 93
Northing: 5932065.00
Date Completed: 06 Jul 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 32.0 (m)
NPWL (m): 4.6 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 17.7 Bottom (m): 17.7
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 17.7

Liner:
Type:
OD (mm): 127.0 Thickness (mm): 0.1
Top (m): 13.4 Bottom (m): 31.1
Perforated How: Saw
from (m): 13.4 to 31.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 22.8 Time (minute): 420.0
Level End (m): 9.1 Drawdown (m): 4.6
Rec'd intake (m): 9.1 Rec'd Rate (lpm): 22.8

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulfate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

print on 2/20/98
**General:**

| Type of Work: | Chemistry |
| Drilling Method: | Unknown |
| Well Use: | Domestic |

**Completed Depth:** 12.2 (m)

**Elevation (AMSL):** 752 (m)

**Abandonment:**

**Casing:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Bottom (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
</tbody>
</table>

**Seal Type:**

| from (m): | to |

**Liner:**

<table>
<thead>
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<th>Thickness (mm):</th>
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</thead>
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<td>Top (m):</td>
<td>Bottom (m):</td>
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**Perforated How:**

<table>
<thead>
<tr>
<th>from (m):</th>
<th>to</th>
</tr>
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<tbody>
<tr>
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**Screen:**

<table>
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<th>OD (mm):</th>
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<tbody>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>Size:</td>
<td></td>
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**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): |

**Testing:**

<table>
<thead>
<tr>
<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<tbody>
<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

<table>
<thead>
<tr>
<th>pH (pH unit):</th>
<th>COD</th>
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</thead>
<tbody>
<tr>
<td>Cond. (µS/cm):</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
</tr>
<tr>
<td>Nitrite</td>
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<tr>
<td>Potassium</td>
<td>Molybdenum</td>
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<tr>
<td>Calcium</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Barium</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
</tr>
<tr>
<td>Chloride</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Cadmium</td>
</tr>
<tr>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>TOC</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
</tr>
<tr>
<td>Lithogenic Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
<tr>
<td>Electric Log: No</td>
<td>Transmissivity: 70 m³/day</td>
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<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<td>Aquifer Test: No</td>
<td>Project: Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
SW 07-053-05 W5M

Well Owner: Smith, Brian
Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

Elevation (AMSL) (m): 752
AEP: 357767
Licence No.: W5M
Date Started: 10 Aug 83
Date Completed: 11 Aug 83

Well Number 08051

Easting: 17,530.70
Northing: 5,932,085.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 30.5 (m)
NPWL (m): 4.3
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 23.2
Bottom (m): 23.2
OD (mm): 114.3
Thickness (mm): 0.0
Seal Type: Driven
from (m): to 22.9

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m): to  Size:
from (m): to  Size:
from (m): to  Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model:
Intake (m): 21.3

Testing:
Rate (lpm): 36.5
Time (minute): 120.0
Level End (m): 18.3
Drawdown (m): 14.0
Rec'd intake (m): 21.9
Rec'd Rate (lpm): 36.5

Depth Elevation
(BGL) (AMSL)

(m)  (m)  Lithologic Description
10.4  741.8  Sand
14.3  737.8  Sandstone Brown
20.7  731.4  Coal
22.3  729.9  Sand & Rocks
25.0  727.2  Shale Gray
29.9  722.3  Shale & Coal
30.5  721.7  Shale

Laboratory:
pH (pH unit)  COD  Mercury
Cond. (µS/cm)  SAR  Nickel
TDS  TKN  Selenium
Sodium  Nitrate  Strontium
Potassium  Nitrite  Molybdenum
Calcium  TN  Vanadium
Magnesium  TC  Zinc
Carbonate  DIC  Hydroxide
Bicarbonate  Arsenic  Total Hardness
Aluminum  Barium  Manganese
Sulphate  Beryllium  Phosphate
Chloride  Cadmium  Ion Balance
Fluoride  Chromium  Amm. Nitrogen
Iron  Cobalt  Total Phosphate
TOC  Copper  Total Alkalinity
Silica  Lead  Nitrate&Nitrite

Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

print date: 2/2/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 45.7 (m)
- **NPWL (m): 24.1**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<tr>
<th>Chemical Constituents</th>
<th>Unit</th>
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<td>TDS</td>
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</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
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<td>Magnesium</td>
<td>TC</td>
</tr>
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<td>Carbonate</td>
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<td>Arsenic</td>
</tr>
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<td>Chromium</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
</tr>
<tr>
<td>silica</td>
<td>Lead</td>
</tr>
</tbody>
</table>

### Testing:
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
NE 10-053-05 W5M

Well Owner: Bartell, Eriwin
Drilling Contractor: Blakeman'S, Norm Drilling Ltd.

Well Number 08053

Elevation (AMSL) (m): 715
AEP: 399333
Licence No.: Easting: 23,454.66
Date Started: 26 Jun 93
Nothing: 5,932,911.00
Date Completed: 27 Jun 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 67.1 (m)
NPWL (m): 17.4 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 48.8 Bottom (m): 48.8
OD (mm): 114.3 Thickness (mm): 0.1
Seal Type: Driven
from (m): 42.4 to 48.5

Liner:
Type:
OD (mm): 88.9 Thickness (mm): 0.1
Top (m): 48.5 Bottom (m): 67.1
Perforated How: Saw
from (m): 61.0 to 67.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m): 48.8

Testing:
Rate (lpm): 36.5 Time (minute): 120.0
Level End (m): 31.4
Rec'd intake (m): 42.7 Rec'd Rate (lpm): 31.9

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
**NE 10-053-05 W5M**

**Well Number:** 08054

**Well Owner:** Chase, Frank

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 715

**AEP:** 357769

**Licence No.:** Easting: 23,454.66

**Date Started:** 17 Mar 80

**Northing:** 5,932,911.00

**Date Completed:** 18 Mar 80

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 22.3 (m)
- **NPWL (m):** 1.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 18.6
- **Bottom (m):** 18.6
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to  Size:
- **from (m):** to  Size:
- **from (m):** to  Size:

### Screen:
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 18.6 to  19.8
- **Size:** 0.01
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 10.7
- **Drawdown (m):** 9.1
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphates:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Database:** 1.000H

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

Chemical Constituents are in mg/l (ppm), except as noted.
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 103.6 (m)
- **NPWL (m):** 17.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 36.9
- **Bottom (m):** 36.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 36.9

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.2
- **Top (m):** 36.0
- **Bottom (m):** 103.6
- **Perforated How:**
- **from (m):** to 91.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 61.0
- **Rate (lpm):** 63.9
- **Time (minute):** 480.0
- **Level End (m):** 45.7
- **Drawdown (m):** 28.0
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydioxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by PFRA in 10TM NAD 27**
<table>
<thead>
<tr>
<th>Well Number: 08056</th>
<th>Well Owner: Reid, Dwight</th>
</tr>
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<tbody>
<tr>
<td>Drilling Contractor: Unknown Driller</td>
<td>Elevation (AMSL) (m): 715</td>
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<tr>
<td></td>
<td>AEP: 356930</td>
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<tr>
<td></td>
<td>Date Started:</td>
</tr>
<tr>
<td></td>
<td>Northing: 5,932,911.00</td>
</tr>
<tr>
<td></td>
<td>Date Completed:</td>
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</tbody>
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<table>
<thead>
<tr>
<th>General: Type of Work: Chemistry</th>
<th>Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>Completed Depth: 103.6 (m)</td>
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<tr>
<td>NPWL (m): Verified NPWL (m):</td>
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<td>Abandonment:</td>
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</tr>
<tr>
<td>Casing: Type:</td>
<td></td>
</tr>
<tr>
<td>Depth (m): Bottom (m):</td>
<td></td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Seal Type: from (m): to</td>
<td></td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Top (m): Bottom (m):</td>
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</tr>
<tr>
<td>Perforated How: from (m): to</td>
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</tr>
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<td>from (m): to Size:</td>
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<td>from (m): to Size:</td>
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</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>Screen: Material:</td>
<td></td>
</tr>
<tr>
<td>OD (mm): from (m): to Size:</td>
<td></td>
</tr>
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<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>Open Hole: from (m): to</td>
<td></td>
</tr>
<tr>
<td>Pump: Model:</td>
<td></td>
</tr>
<tr>
<td>Intake (m):</td>
<td></td>
</tr>
<tr>
<td>Testing: Rate (lpm): Time (minute):</td>
<td></td>
</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
<td></td>
</tr>
<tr>
<td>Rec’d intake (m): Rec’d Rate (lpm):</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Laboratory: pH (pH unit)</th>
<th>Electric Log: No Transmissivity: m³/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>COD Mercury</td>
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</tr>
<tr>
<td>Cond. (µS/cm) SAR Nickel</td>
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</tr>
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<td>TDS TKN Selenium</td>
<td></td>
</tr>
<tr>
<td>Sodium Nitrate Strontium</td>
<td></td>
</tr>
<tr>
<td>Potassium Nitrite Molybdenum</td>
<td></td>
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<td>Calcium TN Vanadium</td>
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<tr>
<td>Magnesium TC Zinc</td>
<td></td>
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<tr>
<td>Carbonate DIC Hydroxide</td>
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<tr>
<td>Bicarbonate Arsenic Total Hardness</td>
<td></td>
</tr>
<tr>
<td>Aluminium Barium Manganese</td>
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</tr>
<tr>
<td>Sulphate Beryllium Phosphate</td>
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<td>Chloride Cadmium Ion Balance</td>
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<td>Fluoride Chromium Amm. Nitrogen</td>
<td></td>
</tr>
<tr>
<td>Iron Cobalt Total Phosphate</td>
<td></td>
</tr>
<tr>
<td>TOC Copper Total Alkalinity</td>
<td></td>
</tr>
<tr>
<td>Silica Lead Nitrate&amp;Nitrite N</td>
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</tr>
</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted. | Remarks: Water Well Positioned by PFRA in 10TM NAD 27 |

Printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 27.4 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):**
- **Abandonment:**

#### Casting:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 13.7

#### Liner:
- **Type:**
- **OD (mm):** 152.4 Thickness (mm): 0.1
- **Top (m):** Bottom (m): 27.4
- **Perforated How:** Machine
- **from (m):** to 27.4 **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):** 26.8

#### Testing:
- **Rate (lpm):** 182.4 **Time (minute):** 120.0
- **Level End (m):** 21.6 **Drawdown (m):** 16.6
- **Rec'd intake (m):** 13.7 **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Open Hole:**
- **Intake (m):**
- **Model:**
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 24.4 (m)
- **NPWL (m):** 2.3
- **Verification:** Yes
- **Abandonment:** No

### Casing:
- **Type:**
  - **Depth (m):**
  - **Bottom (m):**
  - **OD (mm):**
  - **Thickness (mm):**

### Seal Type: Bentonite Chips/Tabl
- **from (m):** to 16.8

### Liner:
- **Type:**
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.0
  - **Top (m):**
  - **Bottom (m):**

### Perforated How: Machine
- **from (m):** to 21.3

### Screen:
- **Material:**
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump: Sub
- **Model:**
- **Intake (m):** 23.5

### Testing:
- **Rate (lpm):** 319.3
- **Time (minute):** 120.0
- **Level End (m):** 9.8
- **Drawdown (m):** 7.6
- **Rec'd intake (m):** 9.1
- **Rec'd Rate (lpm):** 228.1

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
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- **Zinc:**
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- **DIC:**
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- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
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- **Manganese:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Lithologic Description:
- **Depth:**
  - **Elevation:**
  - **Elevation:**
  - **Type:**
  - **Percent:**
  - **Type:**
  - **Percent:**
  - **Type:**
  - **Percent:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**printed on 2/20/98**
NW 12-053-05 W5M

Well Owner: Fricke, Gordon
Drilling Contractor: Blakeman'S, Norm Drilling Ltd.

Well Number: 08059

Elevation (AMSL) (m): 742
Licence No.: 399339
Date Started: 16 Jun 94
Date Completed: 16 Jun 94
Easting: 25,896.77
Northing: 5,933,298.00

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 24.4 (m)
- NPWL (m): 1.9
- Veriﬁed NPWL (m):
- Abandonment:

**Casing:**
- Type: Plastic
- Depth (m): 20.1
- Bottom (m): 20.1
- OD (mm): 127.0
- Thickness (mm): 0.1
- Seal Type: Shale Trap & Bentoni
- from (m): 13.7 to 19.8

**Liner:**
- Type:
- OD (mm): 88.9
- Thickness (mm): 0.1
- Top (m): 18.2
- Bottom (m): 24.4
- Perforated How: Saw
- from (m): 20.4 to 24.4

**Screen:**
- Material:
- OD (mm):
- from (m): to
- Thickness (mm): to

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): 17.1

**Testing:**
- Rate (lpm): 45.6
- Time (minute): 120.0
- Level End (m): 6.1
- Drawdown (m): 4.0
- Rec'd intake (m):
- Rec'd Rate (lpm): 45.6
- Rec'd intake (m):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminum: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NW 12-053-05 W5M**

**Well Owner:** Mallett

**Drilling Contractor:** Blakeman'S, Norm Drilling Ltd.

**Well Number:** 08060

**Elevation (AMSL) (m):** 742

**AEP:** 399344

**Licence No.:** Easting: 25,896.77

**Date Started:** 10 Jun 94

**Date Completed:** 10 Jun 94

**Well Use:** Domestic

**Drilling Method:** Rotary

**Type of Work:** New Well

**Well Use:** Domestic

**Completed Depth:** 27.4 (m)

**NPWL (m):** 1.8

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

- **Type:** Plastic

- Depth (m): 18.9

- Bottom (m): 18.9

- **OD (mm):** 127.0

- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite

- from (m): 12.5 to 18.6

**Liner:**

- **Type:**

- **OD (mm):**

- **Thickness (mm):**

- **Top (m):**

- **Bottom (m):**

**Perforated How:**

- from (m): to Size:

- from (m): to Size:

- from (m): to Size:

**Screen:**

- **Material:**

- **OD (mm):**

- **from (m):** to Size:

- **from (m):** to Size:

**Open Hole:**

- from (m): to

**Pump:** Sub

- **Model:**

- **Intake (m):** 18.3

**Testing:**

- **Rate (lpm):** 13.7

- **Time (minute):** 120.0

- **Level End (m):** 17.7

- **Drawdown (m):** 15.9

- **Rec’d intake (m):** 17.7

- **Rec’d Rate (lpm):** 13.7

**Laboratory:**

- **pH (pH unit):**

- **COD:**

- **Mercury:**

- **SAR:**

- **Nickel:**

- **TDS:**

- **TKN:**

- **Selenium:**

- **Sodium:**

- **Nitrate:**

- **Strontium:**

- **Potassium:**

- **Nitrite:**

- **Molybdenum:**

- **Calcium:**

- **TN:**

- **Vanadium:**

- **Magnesium:**

- **TC:**

- **Zinc:**

- **Carbonate:**

- **DIC:**

- **Hydroxide:**

- **Bicarbonate:**

- **Arsenic:**

- **Total Hardness:**

- **Aluminum:**

- **Barium:**

- **Manganese:**

- **Sulphate:**

- **Beryllium:**

- **Phosphate:**

- **Chloride:**

- **Cadmium:**

- **Ion Balance:**

- **Fluoride:**

- **Chromium:**

- **Amm. Nitrogen:**

- **Iron:**

- **Cobalt:**

- **Total Phosphate:**

- **TOC:**

- **Copper:**

- **Total Alkalinity:**

- **Silica:**

- **Lead:**

- **Nitrate&Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
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Water Well Positioned by PFRA in 10TM NAD 27
**SE 12-053-05 W5M**

**Well Owner:** Meclory, N  
**Drilling Contractor:** Blakeman’s, Norm Drilling Ltd.

**Well Number:** 08062  
**Elevation (AMSL) (m):** 720  
**AEP:** 361181  
**Licence No.:** Easting: 26,709.83  
**Date Started:** 17 May 91  
**Northing:** 5,931,931.50  
**Date Completed:** 17 May 91

---

**General:**

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth (m):** 33.5  
- **NPWL (m):** 7.6  
- **Verified NPWL (m):**  
- **Abandonment:**

**Casing:**

- **Type:**  
- **Depth (m):**  
- **Bottom (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:** Shale Trap  
- **from (m):**  
- **to 23.2**

**Liner:**

- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):**  
- **Bottom (m):** 30.5  
- **Perforated How:** Other  
- **from (m):** 24.4  
- **to 30.5**  
- **Size:**

**Screen:**

- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to Size:**

**Open Hole:**

- **from (m):**  
- **to**

**Pump:**

- **Model:**  
- **Intake (m):** 29.9

**Testing:**

- **Rate (lpm):** 13.7  
- **Time (minute):** 420.0  
- **Level End (m):** 30.5  
- **Drawdown (m):** 22.9  
- **Rec’d intake (m):**

**Laboratory:**

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<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<td>Cond. (µS/cm)</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic

#### Completed Depth:
- **21.3 m** (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

#### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Lithologic Description:
(No Lithologic Information Available)

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**

### AEP Data:
- **Database:** 1.000H
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Drilled
- **Well Use:** Domestic

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### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):

### Lithologic Description:
(No Lithologic Information Available)

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

### Laboratory:

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<td>Nitrate&amp;Nitrite N</td>
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### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Verified:** No

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Drilled  
- **Well Use:** Domestic  
- **Completed Depth:** 22.9 (m)  
- **NPWL (m):** 10.7  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m): 
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to 

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Size:** from (m): to 

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **Size:** from (m): to 

### Open Hole:
- **from (m):** to 

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd Intake (m):** Rec'd Rate (lpm): 

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

### Electric Log: No  
- **Transmissivity:** m²/day  
- **Gamma Log: No**  
- **Storativity:**  
- **Aquifer Test: No**  
- **Project:** Database: 1.000H  
- **AEP Data: Yes**  
- **Well Field Verified: No**

### Remarks:
*Chemical Constituents are in mg/l (ppm). Except as noted.*

Water Well Positioned by PFRA in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 18.9
- **Abandonment:**

## Casing:

- **Type:** Plastic
- **Depth (m):** 34.8
- **Bottom (m):** 34.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** 33.5
to 34.8

## Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 33.8
- **Bottom (m):** 42.7
- **Perforated How:** Saw
- **from (m):** 36.6
to 42.7
- **Size:**
- **Size:**
- **Size:**

## Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
to
- **Size:**
- **Size:**
- **Size:**

## Open Hole:

- **from (m):**
to

## Pump:

- **Model:**
- **Intake (m):** 33.5

## Testing:

- **Rate (lpm):** 36.5
- **Time (minute):** 120.0
- **Level End (m):** 30.2
- **Drawdown (m):** 11.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 36.5

## Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Vanadium:**
- **Molybdenum:**
- **Iron:**
- **Sodium:**
- **Barium:**
- **Calcium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **DIC:**
- **Hydroxide:**
- **TC:**
- **Total Hardness:**
- **Total Alkalinity:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Arsenic:**
- **Chloride:**
- **Beryllium:**
- **Hydroxide:**
- **Iron:**
- **Cadmium:**
- **Nickel:**
- **Sulphate:**
- **Beryllium:**
- **Lead:**
- **Nitrate & Nitrite N:**

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 14-053-05 W5M**

**Well Number: 08067**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

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<tr>
<td>67.1</td>
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**Completed Depth:** 67.1 m (m)

**NPWL (m):** 25,139.17

**Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 43.3
- **Bottom (m):** 43.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1

**Seal Type:** Driven

**from (m):** to 43.3

**Liner:**
- **Type:** Driven
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1

**from (m):** to 54.0

**Perforated How:** Torch

**from (m):** to 54.0

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to 42.7
- **to (m):** 54.0

**Open Hole:**
- **from (m):** to 42.7

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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<td>TDS</td>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 67.1 (m)
- **NPWL (m):** 34.1
- **Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 43.3
- **Bottom (m):** 43.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1

**Seal Type:** Driven
- **from (m):** to 43.3

**Liner:**
- **Type:**
- **OD (mm):** 116.8
- **Thickness (mm):** 0.1
- **Top (m):** Bottom (m): 54.0

**Perforated How:** Torch
- **from (m):** to 54.0
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Thickness:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 42.7

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 34.1
- **Drawdown (m):** 1.2
- **Rec’d intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate & Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 106.1 (m)
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 62.2
- **Bottom (m):** 62.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
- **from (m):** to 62.2

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 56.4
- **Bottom (m):** 105.2
- **Perforated How:** Machine
- **from (m):** to 103.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 73.2

**Testing:**

- **Rate (lpm):** 11.4
- **Time (minute):** 240.0
- **Level End (m):** 56.7
- **Drawdown (m):** 53.0
- **Rec’d intake (m):** 73.2
- **Rec’d Rate (lpm):** 9.1

**Laboratory:**

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Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

**Printed on 2/20/98**
## General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 20.7 m
- **NPWL (m):** 3.7 m
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
- **Seal Type:** Bentonite Chips/Tabl
  - from (m): to 3.7

## Liner:
- **Type:**
  - **OD (mm):** Thickness (mm): 0.0
- **Top (m):** Bottom (m): 20.7
- **Perforated How:** Axe/Chisel
  - from (m): 7.0 to 20.7
  - from (m): to 3.7
  - from (m): to 3.7

## Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
- **Thickness (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):** 15.2

## Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 19.5
- **Drawdown (m):** 15.9
- **Rec'd intake (m):** Rec'd Rate (lpm): 9.1

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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## Electric Log:
- **Transmissivity:** m²/day

## Gamma Log:
- **Storativity:**

## Aquifer Test:
- **Project:** Database: 1.000H

## AEP Data:
- **Yes**
- **Well Field Verified:** No

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Drilling Contractor:** Summer's Drilling Ltd.

**Well Owner:** Troughton, Roy

**Elevation (AMSL) (m):** 736

**Date Started:** 21 Mar 91

**Easting:** 22,441.56

**Date Completed:** 22 Mar 91

**Northing:** 5,933,706.00

**Licence No.:**

**AEP:** 361101
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 94.2 (m)
- **NPWL (m):** 5.5
- **Verified NPWL (m):**
- **Abandonment:**
- **Type:** Steel
- **Depth (m):** 30.5
  - **Bottom (m):** 30.5
- **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to 30.5
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
    - **Thickness (mm):** 0.1
  - **Top (m):** 30.5
    - **Bottom (m):** 93.3
- **Perforated How:** Machine
  - **from (m):** to 93.3
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 11.4
    - **Time (minute):** 420.0
  - **Level End (m):** 54.9
    - **Drawdown (m):** 49.4
  - **Rec'd Rate (lpm):**
  - **Rec'd intake (m):**

### Laboratory:

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### Lithologic Description

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### Transmissivity:
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
### General:
- **Type of Work:** Reconditioned
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Lithologic Description

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### Casing:
- **Type:** Steel
- **Depth (m):** 56.4 Bottom (m): 56.4
- **OD (mm):** 141.2 Thickness (mm): 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 56.4

### Liner:
- **Type:** Unknown
- **OD (mm):** 127.0 Thickness (mm): 0.1
- **Top (m):** 54.9 Bottom (m): 93.3
- **Perforated How:** Unknown
- **from (m):** to 93.3
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Pump:
- **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** 4.6 Time (minute): 420.0
  - **Level End (m):** 64.0 Drawdown (m): 54.9
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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### Electric Log:
- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 47.2 (m)
- **NPWL (m):** 3.7
- **verified NPWL (m):**
- **Abandonment:**

### Casting:
- **Type:** Steel
- **Depth (m):** 27.4
- **Bottom (m):** 27.4
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 27.4

### Liner:
- **Type:**
- **OD (mm):** 116.8
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 44.8

### Perforated How:
- **Torch**
- **from (m):** 41.2 to 44.8
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:** Sd5-50
- **Intake (m):** 47.2

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 300.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
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- **Potassium:**
- **Selenium:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
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- **Zinc:**
- **Carbonate:**
- **DIC:**
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- **Chromium:**
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- **Cobalt:**
- **Total Phosphate:**
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- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**
SE 15-053-05 W5M

Well Owner: Wedman, Franklin
Drilling Contractor: Unknown Driller

Well Number: 08074
Elevation (AMSL) (m): 745
AEP: 354053
Date Started: Easting: 22,477.20
Date Completed: Northing: 5,933,852.00

General:
Type of Work: Chemistry
Drilling Method: Not Applicable
Well Use: Domestic
Completed Depth: 13.7 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:
from (m):
to

Liner:
Type:
OD (mm):
Top (m):
Perforated How:
from (m):
to
Size:
from (m):
to
Size:
from (m):
to
Size:

Screen:
Material:
OD (mm):
from (m):
to
Size:
from (m):
to
Size:

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m):
Rec’d Rate (lpm):

Laboratory:

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<td>Copper</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
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<td>Shale</td>
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<td>693.0</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 47.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 33.5
- **Bottom (m):** 33.5
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Cement/Grout
- **from (m):** to 33.5

### Liner:
- **Type:**
- **OD (mm):** 76.2
- **Thickness (mm):**
- **Top (m):** Bottom (m): 41.2

### Perforated How:
- **Machine**
- **from (m):** 39.6 to 41.2
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

### Open Hole:
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Project:
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 08077

**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Observation
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 68.3
- **Bottom (m):** 68.3
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Cement/Grout
- **from (m):** 68.3

**Liner:**
- **Type:**
- **OD (mm):** 76.2
- **Thickness (mm):**
- **Top (m):** 82.3
- **Bottom (m):**

**Perforated How:** Machine
- **from (m):** 80.8
- **to 82.3
- **Size:**
- **from (m):** 82.3
- **to Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to Size:**
- **from (m):**
- **to Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Selenium:**
- **Potassium:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
NW 16-053-05 W5M

Well Owner: **Hodgins, Tom**

Drilling Contractor: **Morrill’S Water Well Drilling Ltd.**

**Elevation (AMSL) (m): 760**

**AEP: 366878**

**Licence No.:**

**Date Started:** 03 Oct 92

**Date Completed:** 03 Oct 92

**Well Number 08078**

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 33.2 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 11.9
- **Bottom (m):** 11.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):**
- **to:** 11.9

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 10.7
- **Bottom (m):** 33.2
- **Perforated How:** Machine
- **from (m):**
- **to:** 33.2
- **Size:**
- **from (m):**
- **to:** 15.2

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:** 33.2
- **Size:**
- **from (m):**
- **to:** 33.2

**Open Hole:**

- **from (m):**

**Pump:** Sub

- **Model:** Goulds 7g05
- **Intake (m):** 19.8

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 19.8
- **Drawdown (m):** 19.8
- **Rec’d Rate (lpm):** 21.3
- **Rec’d intake (m):** 22.8

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **Cond. (µS/cm):**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**NW 16-053-05 W5M**

**Well Owner:** Jevne, Emerson  
Drilling Contractor: Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 760  
**AEP:** 376556  
**Licence No.:** 11 Aug 93  
**Date Started:** 11 Aug 93  
**Easting:** 21,007.16  
**Northing:** 5,934,353.00  
**Date Completed:** 12 Aug 93

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 63.7 m
- **NPWL (m):** 2.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 15.9
- **Bottom (m):** 15.9
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 15.9

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 14.9
- **Bottom (m):** 63.7
- **Perforated How:** Machine
- **from (m):** to 21.3 39.6
- **size:**
- **from (m):** to 51.8 63.7
- **Size:**
- **from (m):** to

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to
- **Open Hole:**
  - **from (m):** to

### Pump:
- **Model:** Gould 5g05
- **Intake (m):** 42.7

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 42.7
- **Drawdown (m):** 40.2
- **Rec'd intake (m):** 51.8
- **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Magnesium:**
- **TC:**
- **Vanadium:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 08080**

**Well Owner:** Alta Env #1342e  
**Drilling Contractor:** Alberta Environment

### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Drilled  
- **Well Use:** Investigation  
- **Completed Depth:** 18.6 m  
- **NPWL:** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):** to  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrile N  
- **DIC:** Hydroxide  
- **Hydroxide:**  
- **Carbonate:**  
- **Total Hardness:**  
- **Arsenic:**  
- **Strontium:**  
- **Molybdenum:**  
- **Manganese:**  
- **Phosphate:**  
- **Ion Balance:**  
- **Amm. Nitrogen:**  
- **Total Phosphate:**  
- **Total Alkalinity:**  
- **Nitrate&Nitrile N:**  

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes Well Field Verified: No

### Depth Elevation:
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SW 17-053-05 W5M**

**Well Owner:** Brockway, Audrey  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

**Completed Depth:** 37.8 (m)  
**NPWL (m):** 16.8  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 24.1  
- **Bottom (m):** 24.1
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1

**Seal Type:** Formation Seal
- **from (m):** to 24.1

**Liner:**
- **Type:**
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1
- **Top (m):** 22.6  
- **Bottom (m):** 36.9

**Perforated How:** Saw
- **from (m):** to 24.6  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 22.8  
- **Time (minute):** 420.0
- **Level End (m):** 6.6  
- **Drawdown (m):** 4.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

---

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

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**Elevation (AMSL) (m):** 751  
**AEP:** 372475  
**Licence No.:**
**Date Started:** 26 Jul 93  
**Northing:** 5,933,977.00  
**Date Completed:** 26 Jul 93  
**Project:**

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**Database:** 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 21.3 (m)
- **NPWL (m):** 1.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 16.1

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm): 0.1
- **Top (m):** Bottom (m): 21.3
- **Perforated How:** Saw
- **from (m):** to 21.3
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Sub
- **Intake (m):** 12.2

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 120.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** 12.2
- **Rec'd Rate (lpm):** 27.4

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Drilling Contractor:** Morrill’s Water Well Drilling Ltd.
- **Well Use:** Domestic
- **Completed Depth:** 33.5 (m)
- **NPWL (m):** 1.8
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 22.3
- **Bottom (m):** 22.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 22.3

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 21.3
- **Bottom (m):** 33.5

### Perforated How:
- **Machine**
- **from (m):** 24.4 to 33.5
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Goulds
- **Intake (m):** 18.3

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Rec’d Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Cond. (µS/cm):** SAR
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Nitrite:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Molybdenum:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Berillium:**
- **Chloride:**
- **Cadium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **AEP Data:**
- **Database:** 1.000H

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 08083**

**Elevation (AMSL) (m):** 751
**AEP:** 415969
**Licence No.:**
**Easting:** 19,276.71
**Date Started:** 12 Jul 95
**Nothing:** 5,933,977.00
**Date Completed:** 12 Jul 95

**Depth**

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<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
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<td>748.6</td>
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<td>4.9</td>
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<td>Clay Brown</td>
</tr>
<tr>
<td>10.7</td>
<td>740.0</td>
<td>Sand Brown</td>
</tr>
<tr>
<td>13.7</td>
<td>737.0</td>
<td>Shale Soft Gray</td>
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<td>17.1</td>
<td>733.6</td>
<td>Coal Fractured</td>
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<tr>
<td>21.9</td>
<td>728.7</td>
<td>Coal</td>
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<td>24.1</td>
<td>726.6</td>
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</tr>
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<td>25.6</td>
<td>725.1</td>
<td>Shale &amp; Coal</td>
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<td>30.8</td>
<td>719.9</td>
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<td>31.4</td>
<td>719.3</td>
<td>Sand &amp; Sandstone Gray</td>
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<td>33.5</td>
<td>717.2</td>
<td>Shale Green</td>
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</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Unknown
- **Well Use:** Municipal
- **Completed Depth (m):** 42.7
- **NPWL (m):** 0
- **Abandonment:**
- **Well Owner:** Alta Env #1179e
- **Drilling Contractor:** Unknown Driller

### Depth Elevation (BGL) (AMSL)
<table>
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<tbody>
<tr>
<td>0.6</td>
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<td>10.7</td>
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<td>11.3</td>
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<td>15.2</td>
<td>742.8</td>
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<td>22.9</td>
<td>735.1</td>
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<tr>
<td>24.4</td>
<td>733.6</td>
</tr>
<tr>
<td>27.4</td>
<td>730.6</td>
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<td>30.5</td>
<td>727.5</td>
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<tr>
<td>36.6</td>
<td>721.4</td>
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<td>39.3</td>
<td>718.7</td>
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<tr>
<td>42.7</td>
<td>715.3</td>
</tr>
</tbody>
</table>

### Lithologic Description
- **Type:** Topsoil
- **Thickness (mm):** 3.5
- **Top (m):** 0.6
- **Bottom (m):** 1.5

### Laboratory:
- **pH (pH unit):** 7.0
- **Cond. (µS/cm):** 300
- **TDS:** 15
- **Sodium:** 20
- **Potassium:** 30
- **Magnesium:** 20
- **Calcium:** 20
- **Carbonate:** 20
- **Bicarbonate:** 20
- **Aluminum:** 20
- **Barium:** 20
- **Sulphate:** 20
- **Beryllium:** 20
- **Chloride:** 20
- **Fluoride:** 20
- **Iron:** 20
- **TOC:** 20
- **Silica:** 20

### Testing:
- **Rate (lpm):** 2.0
- **Time (minute):** 2.0
- **Level End (m):** 2.0
- **Rec’d intake (m):** 2.0
- **Rec’d Rate (lpm):** 2.0

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
## NW 18-053-05 W5M

**Well Owner:** Wickware, Erna  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<thead>
<tr>
<th>General</th>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>5.2</td>
<td>764.7</td>
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<tr>
<td>Drilling Method: Rotary</td>
<td>9.8</td>
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<td>Clay Blue</td>
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<td>11.6</td>
<td>758.3</td>
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<td>Completed Depth 36.9 (m)</td>
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<tr>
<td>NPWL (m): 16.8</td>
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<td>Sandstone</td>
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<td>Casing: Type: Plastic</td>
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<td>Depth (m): 25.6</td>
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<td>752.8</td>
<td>Sandstone</td>
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<tr>
<td>OD (mm): 152.4</td>
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<tr>
<td>Thickness (mm): 0.1</td>
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<td>Sandstone</td>
</tr>
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<td>Seal Type: Driven</td>
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<td>744.3</td>
<td>Clay Sandy Yellow</td>
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<td>from (m): 25.6</td>
<td>26.5</td>
<td>743.3</td>
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<tr>
<td>to 25.6</td>
<td>34.4</td>
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<td>Thickness (mm): 0.1</td>
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<td>Coal</td>
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<td>Top (m): 25.6</td>
<td>36.9</td>
<td>733.0</td>
<td>Shale Gray</td>
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<tr>
<td>Bottom (m): 36.0</td>
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<td>Perforated How: Machine</td>
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<tr>
<td>from (m): 25.6</td>
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<td>to 36.0</td>
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<td>from (m):</td>
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<td>to</td>
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<tr>
<td>to</td>
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<td>Pump: Model:</td>
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<tr>
<td>Drawdown (m): 1.5</td>
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<td>Rec'd intake (m):</td>
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<td>Rec'd Rate (lpm):</td>
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### Laboratory Tests

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<td>Phosphate</td>
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<td>Ion Balance</td>
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<td>Amm. Nitrogen</td>
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<td>Cobalt</td>
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<td>Total Phosphate</td>
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<td>Lead</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite</td>
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### Electric Log

- No
- Transmissivity: m²/day
- Storativity: 

### Gamma Log

- No
- Aquifer Test: No

### Project

- Database: 1.000H

### Remarks

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
**SE 18-053-05 W5M**

Well Owner: *Easton, Pearl*

Drilling Contractor: *Blakeman’S, Norm Drilling Ltd.*

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<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: <em>New Well</em></td>
<td>(m)</td>
<td>(m)</td>
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<td>Drilling Method: <em>Rotary</em></td>
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<td>Well Use: <em>Domestic</em></td>
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<tr>
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<td>Top (m): Bottom (m):</td>
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<td>from (m): to Size:</td>
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<td>OD (mm): from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<tr>
<td>Open Hole: from (m): to</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump:</td>
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<td>Model: Intake (m):</td>
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<td>Testing: Rate (lpm): 50.2 Time (minute): 120.0</td>
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<td>Level End (m): 4.3 Drawdown (m): 1.2</td>
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<tr>
<td>Rec’d intake (m): Rec’d Rate (lpm): 45.6</td>
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**Laboratory:**

| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No **Transmissivity:** m³/day

**Gamma Log:** No **Storativity:**

**Aquifer Test:** No **Project:** Database: 1.000H

**AEP Data:** Yes **Well Field Verified:** No

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(printed on 2/20/98)
SE 18-053-05 W5M

Well Owner: Finer, G.
Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

Elevation (AMSL) (m): 749
AEP: 369883
Licence No.: Easting: 18,799.61
Date Started: 31 May 93
Northing: 5,933,471.50
Date Completed: 31 May 93

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 18.3 (m)
NPWL (m): 1.8 Verified NPWL (m):
Abandonment:
Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: Bentonite Chips/Tabl from (m): to 13.7

Liner:
Type: OD (mm): Thickness (mm): 0.1
Top (m): Bottom (m): 18.3
Perforated How: Saw from (m): 14.3 to 18.0 Size:
from (m): to Size:
from (m): to Size:
Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump: Sub
Model: 9 St Intake (m): 9.1
Testing:
Rate (lpm): 50.2 Time (minute): 240.0
Level End (m): 3.7 Drawdown (m): 1.8
Rec’d intake (m): 9.1 Rec’d Rate (lpm): 45.6

Laboratory:

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<tr>
<td>Cadmium</td>
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<td>Hydroxide</td>
<td>0.0</td>
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<tr>
<td>Chromium</td>
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<tr>
<td>Amm. Nitrogen</td>
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<tr>
<td>Copper</td>
<td>0.0</td>
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<tr>
<td>Zinc</td>
<td>0.0</td>
</tr>
<tr>
<td>Lead</td>
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</tr>
<tr>
<td>Nitrate&amp;Nitrite N</td>
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</table>

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)
- **NPWL (m):** 3.1
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 29.3
- **Bottom (m):** 29.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 29.3

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 42.7

### Perforated How:
- **Torch**
- **from (m):** 36.6 to 42.7
- **size:**
- **from (m):** to size:
- **from (m):** to size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to size:
- **from (m):** to size:

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 39.6
- **Rec'd intake (m):** 31.1
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **No**
- **Transmissivity:** m³/day

### Gamma Log:
- **No**
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

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**SE 18-053-05 W5M**

**Well Owner:** Lemieux, Margaret

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 749

**Location:**
- **Easting:** 18,799.61
- **Northing:** 5,933,471.50

**Well Number: 08088**

**Licence No.:**

**Date Started:** 15 Apr 91

**Drilling Contractor:** Northing: 5,933,471.50

**Date Completed:** 18 Apr 91

**NPWL (m):** 3.1

**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 29.3
- **Bottom (m):** 29.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 29.3

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 42.7

**Perforated How:** Torch
- **from (m):** 36.6 to 42.7
- **size:**
- **from (m):** to size:
- **from (m):** to size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to size:
- **from (m):** to size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 39.6
- **Rec'd intake (m):** 31.1
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TC:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 33.5 (m)
- **NPWL (m):** 9.1
- **Abandonment:**
- **Type:** Galvanized Steel
- **Depth (m):** 17.4
- **Bottom (m):** 17.4
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Type:**
- **Seal Type:**
- **from (m):**
- **to:**
- **Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Screen:**
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **to:**
- **Open Hole:**
- **from (m):**
- **to:**
- **Pump:**
- **Model:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):** 11.4
- **Time (minute):** 240.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Lithologic Description
- **Depth (m):**
  - 21.3
  - 27.4
  - 33.5
- **Elevation (m):**
  - 727.8
  - 721.7
  - 715.6
- **Type:**
  - Coal
  - Shale
  - Shale Blue

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrite:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadmium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate&Nitrite

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

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*Chemical Constituents are in mg/l (ppm). Except as noted.*
SE 18-053-05 W5M

Well Number: 08090

Well Owner: Treasure, Randy
Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

Elevation (AMSL) (m): 749
Licence No.: 361102
Date Started: 08 Aug 91
Easting: 18,799.61
Date Completed: 08 Aug 91
Northing: 5,933,471.50

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 24.4 (m)
NPWL (m): 1.5
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 18.6
OD (mm): 114.3
Seal Type: Driven
from (m): to 18.6

Liner:
Type: Driven
OD (mm): 88.9
Top (m): 18.3
Bottom (m): 24.4

Perforated How: Saw
from (m): to 24.1

Screen:
Material:
OD (mm):
from (m): to
from (m): to

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m): 15.2

Testing:
Rate (lpm): 68.4
Time (minute): 420.0
Level End (m): 15.2
Drawdown (m): 13.7
Rec’d intake (m): 12.2
Rec’d Rate (lpm): 45.6

Laboratory:

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<th>Value</th>
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Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
Well Owner: Keistjanson, G.O.

Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 24.4 (m)
- **NPWL (m):** 1.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 18.9

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm): 0.1
- **Top (m):** Bottom (m): 24.4
- **Perforated How:** Saw
- **from (m):** 19.2 to 23.8
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Berkley
- **Intake (m):** 9.1

**Testing:**
- **Rate (lpm):**
- **Time (minute):** 180.0
- **Level End (m):** 4.9
- **Drawdown (m):** 3.1
- **Rec’d intake (m):** 12.2
- **Rec’d Rate (lpm):** 45.6

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Selenium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Depth Elevation (BGL) (AMSL)**

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<th>(m)</th>
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<td>24.4</td>
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**Elevation (AMSL) (m):** 767

**AEP:** 373957

**Licence No.:** Easting: 17,755.66

**Date Started:** 02 Jun 93

**Nortling:** 5,933,726.50

**Date Completed:** 02 Jun 93

**Database:** Project: 1.000H
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 55.5 (m)
- **NPWL (m):** 20.7
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 36.0
  - **Bottom (m):** 36.0
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.2
  - **Seal Type:** Driven
  - **from (m):** to 36.0
- **Liner:**
  - **Type:**
  - **OD (mm):** 88.9
  - **Thickness (mm):** 0.1
  - **Top (m):** 35.4
  - **Bottom (m):** 55.5
  - **Perforated How:** Saw
  - **from (m):** 36.6 to 55.2
  - **Size:**
  - **from (m):** to 55.2
  - **Size:**
  - **from (m):** to 55.2
- **Screen:**
  - **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:** Intake (m): 33.5
- **Testing:**
  - **Rate (lpm):** 63.9
  - **Time (minute):** 120.0
  - **Level End (m):** Drawdown (m): 12.8
  - **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
- **(BGL) (AMSL):**
  - **(m) (m):** Lithologic Description
  - 2.4 785.6 Clay
  - 21.6 766.4 Shale
  - 22.6 765.5 Sandstone Hard
  - 26.2 761.8 Shale
  - 32.6 755.4 Sandstone
  - 34.8 753.3 Coal
  - 41.8 746.3 Shale
  - 55.5 732.6 Sandstone

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 47.2 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:**
    - from (m): to

## Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

## Screen:
- **Material:**
  - **OD (mm):**
    - from (m): to Size:
    - from (m): to Size:

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
  - **Intake (m):**

## Testing:
- **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):**

## Laboratory:
- **pH (pH unit):**
  - **Cond. (µS/cm):**
  - **COD:**
  - **SAR:**
  - **TDS:**
  - **TKN:**
  - **Sodium:**
  - **Nitrate:**
  - **Strontium:**
  - **Potassium:**
  - **Nitrite:**
  - **Molybdenum:**
  - **Calcium:**
  - **TN:**
  - **Magnesium:**
  - **TC:**
  - **Carbonate:**
  - **DIC:**
  - **Arsenic:**
  - **Total Hardness:**
  - **Barium:**
  - **Manganese:**
  - **Sulphate:**
  - **Beryllium:**
  - **Phosphate:**
  - **Chloride:**
  - **Cadmium:**
  - **Ion Balance:**
  - **Fluoride:**
  - **Chromium:**
  - **Amm. Nitrogen:**
  - **Iron:**
  - **Cobalt:**
  - **Total Phosphate:**
  - **TOC:**
  - **Copper:**
  - **Total Alkalinity:**
  - **Silica:**
  - **Lead:**
  - **Nitrate&Nitrite N:**

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 (m)  
  **NPWL (m):** 28.7  
  **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 36.6  
  **Bottom (m):** 36.6
- **OD (mm):** 139.7  
  **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - from (m): to 36.0

### Liner:
- **Type:**
  - OD (mm): 114.3  
    **Thickness (mm):** 0.1
  - Top (m): 36.0  
    **Bottom (m):** 42.7
- **Perforated How:** Machine
  - from (m): to 42.7  
    **Size:**

### Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Grundfos
- **Intake (m):** 33.5

### Testing:
- **Rate (lpm):** 68.4  
  **Time (minute):** 120.0
- **Level End (m):** 29.0  
  **Drawdown (m):** 0.3
- **Rec'd Rate (lpm):** 33.5  
  **Rec'd intake (m):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbohydrate:**
- **Bicarbonate:**
- **Aluminum:**
- **Nitrate:**
- **Nitrite:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
  - **Material:**
    - OD (mm):
      - from (m): to Size:

### Electric Log:
- **No**  
  **Transmissivity:** m²/day

### Gamma Log:
- **No**  
  **Storativity:**

### Aquifer Test:
- **No**  
  **Recovery:**

### AEP Data:
- **Yes**  
  **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**
**SE 22-053-05 W5M**

**Well Number:** 08095

**Well Owner:** Orchison, Jim

**Drilling Contractor:** Morrill'S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 803  
**AEP:** 365124  
**Licence No.:** 22-053-05  
**Easting:** 23,693.71  
**Date Started:** 08 May 92  
**Northing:** 5,935,029.50  
**Date Completed:** 09 May 92

### General:

| Type of Work: | New Well |
| Drilling Method: | Rotary |
| Well Use: | Domestic |
| Completed Depth | 88.4 (m) |
| NPWL (m): | 44.8 |
| Verification NPWL (m): | Yes No |
| Abandonment: | No |

### Casing:

| Type: | Steel |
| Depth (m): | 17.4 |
| Bottom (m): | 17.4 |
| OD (mm): | 139.7 |
| Thickness (mm): | 0.1 |
| Seal Type: | Formation Packer |
| from (m): | to 63.4 |

### Liner:

| Type: | Torch |
| OD (mm): | 114.3 |
| Thickness (mm): | 0.1 |
| Top (m): | 5.2 |
| Bottom (m): | 82.3 |
| Perforated How: | Torch |
| from (m): | 64.0 |
| to 82.3 |
| Size: |
| from (m): | to |
| Size: |
| from (m): | to |
| Size: |

### Screen:

| Material: |
| OD (mm): |
| from (m): | to |
| Size: |
| from (m): | to |
| Size: |

### Open Hole:

| from (m): |

### Pump:

**Model:** Gould 5g05  
**Intake (m):** 70.1

### Testing:

| Rate (lpm): | 18.2 |
| Time (minute): | 120.0 |
| Level End (m): | 70.1 |
| Drawdown (m): | 25.3 |
| Rec’d intake (m): | 73.2 |
| Rec’d Rate (lpm): | 18.2 |

### Laboratory:

| pH (pH unit) | COD |
| Cond. (µS/cm) | SAR |
| TDS | TKN |
| Sodium | Nitrate |
| Potassium | Nitrite |
| Calcium | TN |
| Magnesium | TC |
| Carbonate | DIC |
| Bicarbonate | Arsenic |
| Aluminium | Barium |
| Sulphate | Beryllium |
| Chloride | Cadmium |
| Fluoride | Chromium |
| Iron | Cobalt |
| TOC | Copper |
| Silica | Lead |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Lithologic Description:

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<tr>
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<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
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<td>62.8</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on 2/20/98**
**Well Number:** 08096  
**Elevation (AMSL) (m):** 788  
**AEP:** 401678  
**Licence No.:** Easting: 26,904.66  
**Date Started:** Northing: 5,935,355.64  
**Date Completed:** 24 May 74

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<td><strong>Rate (lpm):</strong></td>
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<td><strong>Rec’d intake:</strong> (m):</td>
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<td><strong>Silica:</strong></td>
<td>Lead Nitrate&amp;Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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<th>Testing:</th>
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<td>Transmissivity: m²/day</td>
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<td><strong>Gamma Log:</strong> No</td>
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<tr>
<td><strong>AEP Data:</strong> Yes</td>
<td>Well Field Verified: No</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Printed on:** 2/20/98
**SE 24-053-05 W5M**

**Well Number: 08097**

**Well Owner:** Burry, S.

**Drilling Contractor:** Cobob Pumps And Services Ltd.

**Elevation (AMSL) (m): 784**

**AEP: 365605**

**Licence No.:**

**Date Started:** 10 Jul 92

**Date Completed:** 14 Jul 92

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<th>Depth</th>
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<th>Lithologic Description</th>
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<td>(m)</td>
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<tr>
<td>6.7</td>
<td>777.3</td>
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<td>13.1</td>
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<tr>
<td>61.0</td>
<td>723.0</td>
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**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 61.0 m
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Plastic
- **Depth (m):** 45.4
- **Bottom (m):** 45.4
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Bentonite
- **from (m):** 43.6 to 45.4

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 42.7
- **Bottom (m):** 61.0
- **Perforated How:** Saw
- **from (m):** 48.8 to 57.9
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**
- **from (m):**
- **Size:**

**Open Hole:**

- **from (m):**

**Pump:** Sub

- **Model:** Jacuzzi
- **Intake (m):** 42.7

**Testing:**

- **Rate (lpm):** 45.6
- **Time (minute):** 420.0
- **Level End (m):** 42.7
- **Drawdown (m):** 33.5
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 45.6

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate:Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log: No**

**Transmissivity: m²/day**

**Gamma Log: No**

**Storativity:**

**Aquifer Test: No**

**Project: Database: 1.000H**

**AEP Data: Yes**

**Well Field Verified: No**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Old Well-Test
- **Drilling Method:** Drilled
- **Well Use:** Unknown
- **Completed Depth:** 40.2 (m)
- **NPWL (m):** 24.6
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

#### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m):
  - to:
  - Size:

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

#### Open Hole:
- from (m):
- to

### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (lpm):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

#### Chemical Constituents are in mg/l (ppm). Except as noted.

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

### Well Number 08098
- **Elevation (AMSL) (m):** 785
- **Easting:** 26,171.31
- **Northing:** 5,935,264.50
- **Date Started:** 11 Aug 76
- **Date Completed:** 12 Aug 76
- **Licence No.:** Easting
- **Northing:**

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<th>(m)</th>
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**Electric Log:** No  **Transmissivity:** m³/day  
**Gamma Log:** No  **Storativity:**
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  **Well Field Verified:** No  
**AEP Data:**
**SW 24-053-05 W5M**

**Well Number:** 08099

**Well Owner:** Alta Env #1672e

Drilling Contractor: Other

**Elevation (AMSL) (m):** 785

AEP: 401679

**Date Started:** 14 May 77

**Date Completed:**

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<tr>
<td>14.0</td>
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**General:**

- **Type of Work:** New Well
- **Drilling Method:** Drilled
- **Well Use:** Unknown
- **Completed Depth:** 42.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 31.1
- **Bottom (m):** 31.1
- **OD (mm):** 139.7
- **Thickness (mm):**
- **Seal Type:** Drive Shoe
- **from (m):** to 31.1

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 29.6
- **Bottom (m):** 42.4
- **Perforated How:** Torch
- **from (m):** to 41.8
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**: Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.4 m
- **NPWL (m):** 30.8
- **Verified NPWL (m):** 30.8
- **Abandonment:**
  - **Type:** Steel
  - **Depth (m):** 30.8
  - **Bottom (m):** 30.8
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** 31.1
- **Liner:**
  - **Type:** Steel
  - **OD (mm):** 116.8
  - **Thickness (mm):** 0.1
  - **Top (m):** 42.4
  - **Bottom (m):** 42.4
- **Perforated How:**
  - **from (m):** 36.3
  - **to:** 41.8
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to:**
- **Open Hole:**
  - **from (m):**
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Drawdown (m):**
  - **Rec’d intake (m):**
  - **Rec’d Rate (lpm):**

### Laboratory:

- **01 Jun 77**
  - **pH (pH unit):** 7.90
  - **COD:**
  - **Mercury:**
  - **Cond. (µS/cm):** 640.0
  - **SAR:**
  - **Nickel:**
  - **TDS:** 346.0
  - **TKN:**
  - **Selenium:**
  - **Sodium:** 11.96
  - **Nitrate:**
  - **Strontium:**
  - **Potassium:** 3.52
  - **Nitrite:**
  - **Molybdenum:**
  - **Calcium:** 72.95
  - **TN:**
  - **Vanadium:**
  - **Magnesium:** 29.06
  - **TC:**
  - **Zinc:**
  - **Carbonate:**
  - **DIC:**
  - **Hydroxide:**
  - **Bicarbonate:** 430.12
  - **Arsenic:**
  - **Total Hardness:** 300.00
  - **Aluminum:**
  - **Barium:**
  - **Manganese:**
  - **Sulphate:**
  - **Beryllium:**
  - **Phosphate:**
  - **Chloride:** 7.09
  - **Cadmium:**
  - **Ion Balance:** 0.88
  - **Fluoride:** 0.12
  - **Chromium:**
  - **Amm. Nitrogen:**
  - **Iron:** 3.21
  - **Cobalt:**
  - **Total Phosphate:**
  - **TOC:**
  - **Copper:**
  - **Total Alkalinity:** 353.0
  - **Silica:** 17.00
  - **Lead:**
  - **Nitrate & Nitrite N:**

### Lithologic Description:

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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Depth Elevation

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### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 08101
- **Well Owner:** Paisley, Helen
- **Drilling Contractor:** Summers, David Drilling
- **Elevation (AMSL) (m):** 798
- **AEP:** 357695
- **Licence No.:**
- **Date Started:** 03 Sep 90
- **Easting:** 24,411.99
- **Date Completed:** 08 Sep 90
- **Northng:** 5,936,660.50
- **Machine:**
- **Type:**
- **Bottom (m):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **Open Hole:**
- **from (m):** to
- **Pump:**
- **Sub:**
- **Model:** Jacuzzi
- **Intake (m):** 61.0
- **Rate (lpm):** 31.9
- **Time (minute):** 1440.0
- **Level End (m):** 48.8
- **Drawdown (m):** 15.2
- **Rec’d intake (m):** 61.0
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**

- **pH (pH unit):**
- **SAR:**
- **TKN:**
- **Nitrates:**
- **Molybdenum:**
- **Zinc:**
- **Vanadium:**
- **Selenium:**
- **Sodium:**
- **Components:**
- **Calcium:**
- **Magnesium:**
- **Barium:**
- **Front:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Amm. Nitrogen:**
- **Iron:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 08102

**Well Owner:** Charleson, Dave

**Drilling Contractor:** Unknown Driller

---

### General
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):** (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner
- **Type:**
- **OD (mm):** Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole
- **from (m):** to

### Pump
- **Model:**
- **Intake (m):**

### Testing
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Nitrate:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log: No Transmissivity: m²/day
- **Gamma Log: No** Storativity:
- **Aquifer Test: No**
- **Project:** Database: 1.000H
- **AEP Data: Yes** Well Field Verified: No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Elevation (AMSL) (m):** 803
- **Easting:** 22,711.65
- **Nothing:** 5,936,667.50
- **Date Started:**
- **Date Completed:**

---

**License No.:** 365019

---

- **Remarks:**

---

**printed on:** 2/20/98
Well Owner: Charleson, Dave
Drilling Contractor: Morrill’s Water Well Drilling Ltd.

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 94.5 (m)
- NPWL (m): 42.1
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 55.2
- OD (mm): 139.7
- Seal Type: Driven
- from (m): to 55.2

Liner:
- Type: Driven
- OD (mm): 114.3
- Top (m): 30.5
- Bottom (m): 91.4
- Perforated How: Machine
- from (m): to 91.4

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to 

Pump: Sub
- Model: Goulds
- Intake (m): 70.1

Testing:
- Rate (lpm): 18.2
- Time (minute): 120.0
- Level End (m): 70.1
- Drawdown (m): 28.0
- Rec’d Intake (m): 79.2
- Rec’d Rate (lpm): 18.2

Depth Elevation
(BGL) (AMSL)

Lithologic Description
(m) (m)

4.3 798.7 Clay Sandy Brown
10.4 792.7 Sand & Gravel Brown
11.9 791.1 Shale Soft Brown
16.5 786.6 Sand Brown
17.1 785.9 Sand & Sandstone Brown
39.0 764.0 Sand Brown
39.3 763.7 Sandstone Brown
44.5 758.5 Sand Brown
50.6 752.4 Sand Gray
52.1 750.9 Coal
53.6 749.4 Shale Brownish Gray
55.2 747.8 Shale Sandy Gray
55.5 747.5 Sandstone Fine Grained Gray
62.8 740.2 Shale Sandy Gray
70.4 732.6 Shale Gray
75.0 728.0 Shale Sandy Gray
76.5 726.5 Shale Gray
79.2 723.8 Coal
80.5 722.6 Shale Sandy Gray
84.7 718.3 Shale & Coal
86.6 716.5 Shale Green
88.7 714.3 Shale & Sandstone Ledges Fine
94.5 708.5 Shale & Coal

Laboratory:

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<th>Unit</th>
<th>Value</th>
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Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Elevation (AMSL) (m): 803
AEP: 400389
Licence No.: Easting: 22,711.65
Date Started: 15 Nov 94 Northing: 5,936,667.50
Date Completed: 16 Nov 94

AEP Data: Yes Well Field Verified: No
Well Owner: Alta Env #1341e
Drilling Contractor: Alberta Environment

Elevation (AMSL) (m): 788
Easting: 19,091.74
Nordting: 5,936,745.50
Date Started: 23 Oct 74
Date Completed: 23 Oct 74

Well Number: 08104

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<th>Laboratory Test Results</th>
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<td>Cond. (µS/cm)</td>
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<td>Silica</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
**NE 31-053-05 W5M**

**Well Owner:** Alfred, Darwin E.

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tr>
<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td>Well Use: Domestic</td>
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<td>Bottom (m): 23.5</td>
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<td>36.6 688.6 Shale Gray</td>
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<td>from (m): to 23.5</td>
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<td>Top (m): 16.8</td>
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**Laboratory:**

- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silicon

- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Barium
- Molybdenum
- Beryllium
- Phosphate
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead

- Mercury
- Nickel
- Strontium
- Molybdenum
- Zinc
- Hydroxide
- Total Hardness
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

- Electric Log: No
- Transmissivity: m³/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completion Details:
- **Completed Depth:** 51.8 (m)
- **NPWL (m):** 6.1

### Abandonment:
- **Type:** Steel
- **Depth (m):** 31.4
- **Bottom (m):** 31.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 31.4

### Liner:
- **Type:** Steel
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 51.8
- **Perforated How:** Hand Drill
- **from (m):** to 48.8
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to Depth:

### Pump:
- **Model:**
- **Rate (lpm):** 68.4
- **Time (minute):** 420.0

### Testing:
- **Level End (m):** 21.3
- **Drawdown (m):** 15.2
- **Rec'd intake (m):**

### Lithologic Description:

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<td>51.8</td>
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### Chemical Constituents:
- Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
NE 31-053-05 W5M

Well Number: 08108

Well Owner: Birkholz, Horst
Drilling Contractor: Midwest Water Well Ltd.

Elevation (AMSL) (m): 729
AEP: 385519
Licence No.: 18,600.09
Date Started: 01 Jun 94
Northing: 5,939,103.50
Date Completed: 01 Jun 94

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 48.8 (m)
NPWL (m): 3.1
Abandonment:

Casing:
Type: Steel
Depth (m): 31.1
Bottom (m): 31.1
OD (mm): 139.7
Thickness (mm): 0.1
Seal Type: Driven
from (m): 30.8
to 31.1

Liner:
Type: Steel
OD (mm): 114.3
Thickness (mm): 0.1
Top (m): 27.4
Bottom (m): 48.8
Perforated How: Hand Drill
from (m): 30.5
to 48.8
Size: size
Size: size
Size: size

Screen:
Material: Steel
OD (mm):
from (m): size
to size
Size: size
Size: size

Open Hole:
from (m): size
to size

Pump:
Model: Intake (m): 48.8

Testing:
Rate (lpm): 91.2
Time (minute): 120.0
Level End (m): 48.8
Drawdown (m): 45.7
Rec'd intake (m): 27.4
Rec'd Rate (lpm): 68.4

Laboratory:
pH (pH unit): 7.28
Cond. (µS/cm): 280
TDS: 14.0
Sodium: 2.7
Potassium: 2.1
Calcium: 3.1
Magnesium: 3.0
Carbonate: 3.0
Bicarbonate: 3.0
Aluminum: 3.0
Barium: 3.0
Sulphate: 3.0
Chloride: 3.0
Fluoride: 3.0
Iron: 3.0
TOC: 3.0
Silica: 3.0
COD: 3.0
SAR: 3.0
Nitrate: 3.0
Strontium: 3.0
Barium: 3.0
Manganese: 3.0
Beryllium: 3.0
Phosphate: 3.0
Cadmium: 3.0
Copper: 3.0
Lead: 3.0
Mercury: 3.0
Nickel: 3.0
Selenium: 3.0
Calcium: 3.0
Magnesium: 3.0
Zinc: 3.0
Cadmium: 3.0
Ion Balance: 3.0
Amm. Nitrogen: 3.0
Iron: 3.0
Total Hardness: 3.0
Total Phosphate: 3.0
Total Alkalinity: 3.0
Nitrate: 3.0
Nitrite: 3.0
Molybdenum: 3.0
Potassium: 3.0
TDS: 3.0
Sodium: 3.0
Phosphate: 3.0
Calcium: 3.0
Magnesium: 3.0
Chloride: 3.0
Fluoride: 3.0
Iron: 3.0
Cadmium: 3.0
Copper: 3.0
Lead: 3.0
Mercury: 3.0
Nickel: 3.0
Selenium: 3.0
Calcium: 3.0
Magnesium: 3.0
Zinc: 3.0
Cadmium: 3.0
Ion Balance: 3.0
Amm. Nitrogen: 3.0
Iron: 3.0
Total Hardness: 3.0
Total Phosphate: 3.0
Total Alkalinity: 3.0
Nitrate: 3.0
Nitrite: 3.0
Molybdenum: 3.0
Potassium: 3.0

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on: 2/20/98
**Well Number:** 08109

**Well Owner:** County Of Parkland

Drilling Contractor: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 729

**AEP:** 354530

**Licence No.:** Easting: 18600.09

**Date Started:** 17 Jul 75

**Northing:** 5939103.50

**Date Completed:** 25 Jul 75

---

### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 744
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casings

- **Type:** Galvanized Steel
- **Depth (m):** 22.9
- **Bottom (m):** 22.9
- **OD (mm):** 114.3
- **Thickess (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 22.9

### Liner

- **Type:**
- **OD (mm):** 88.9
- **Thickness (mm):**
- **Top (m):** Bottom (m): 73.5

### Perforated How:

- **Torch**
  - **from (m):** 22.9 to 73.5
  - **Size:**
  - **from (m):** to 73.5
  - **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):**
- **Rate (lpm):** 2.3
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory

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<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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### Electric Log
- **Transmissivity:** m³/day

### Gamma Log
- **Storativity:**

### Aquifer Test
- **Project:** Database: 1.000H

### AEP Data
- **Yes**
- Well Field Verified: No

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 08110  
**NE 31-053-05 W5M**  
**Well Owner:** Wanat, Bernie  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 729  
**Lithologic Description**

| General | Depth Elevation |
|---------|-----------------|-----------------|
| Type of Work: Chemistry | (BGL) (AMSL) |
| Well Use: Domestic | (m) (m) |
| Completed Depth | Lithologic Description |
| Verified NPWL (m): | (m) |

<table>
<thead>
<tr>
<th>Casing</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td></td>
</tr>
<tr>
<td>Depth (m):</td>
<td>Bottom (m):</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Seal Type:</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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<table>
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<tr>
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<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
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</tr>
<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<table>
<thead>
<tr>
<th>Open Hole</th>
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<tr>
<td>from (m):</td>
<td>to</td>
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<tr>
<th>Pump</th>
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<tr>
<td>Model:</td>
<td>Intake (m):</td>
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<tr>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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**Laboratory:**

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<th>pH (pH unit)</th>
<th>COD</th>
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<td>SAR (µS/cm)</td>
<td>TDS</td>
<td>Sodium</td>
</tr>
<tr>
<td>TDS</td>
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<td>Strontium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
general:

Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic
Completed Depth: 15.2 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:

Type: Steel
Depth (m): 10.7 Bottom (m): 10.7
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 10.7

Liner:

Type: Steel
OD (mm): 116.8 Thickness (mm):
Top (m): Bottom (m): 12.2
Perforated How: Torch
from (m): 10.7 to 12.2 Size:
from (m): to Size:
from (m): to Size:

Screen:

Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:

from (m): to

Pump:

Model:
Intake (m): 15.2

Testing:

Rate (lpm): 27.4 Time (minute): 150.0
Level End (m):
Rec'd intake (m):

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Iron Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
4.6 745.0 Sand & Gravel
9.1 740.4 Clay
10.7 738.9 Shale
15.2 734.3 Coal

Electric Log: No Transmissivity: 1000 m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project:
AEP Data: Yes Well Field Verified: No

Database: 1.000H

printed on 2/20/98
**SW 31-053-05 W5M**

**Well Number:** 08112

**Well Owner:** Mowat, Tom/Ann

**Drilling Contractor:** Kap’S Drilling Ltd.

**Elevation (AMSL) (m):** 750

**AEP:** 365321

**Licence No.:**

**Date Started:** 01 Jul 92

**Date Completed:** 03 Jul 92

**Well Use:** Domestic

**Type of Work:** New Well

**Drilling Method:** Rotary

**Completed Depth:** 61.0 (m)

**NPWL (m):** 9.1

**Verified NPWL (m):**

**Abandonment:**

**Casing:**

**Type:** Plastic

**Depth (m):** 41.5

**Bottom (m):** 41.5

**OD (mm):** 141.2

**Thickness (mm):** 0.2

**Seal Type:** Driven

**from (m):** to 61.0

**Liner:**

**Type:**

**OD (mm):** 88.9

**Thickness (mm):** 0.1

**Top (m):** 41.2

**Bottom (m):** 61.0

**Perforated How:** Saw

**from (m):** 41.8 to 61.0

**Size:**

**from (m):** to

**Size:**

**from (m):** to

**Size:**

**Screen:**

**Material:**

**OD (mm):**

**from (m):** to

**Size:**

**from (m):** to

**Size:**

**Open Hole:**

**from (m):**

**Pump:** Sub

**Model:** Berkeley 10mg7

**Intake (m):** 41.2

**Testing:**

**Rate (lpm):** 9.1

**Time (minute):** 480.0

**Level End (m):** 41.2

**Drawdown (m):** 32.0

**Rec’d intake (m):** 41.2

**Rec’d Rate (lpm):** 9.1

**Laboratory:**

**pH (pH unit):**

**COD:**

**SAR:**

**Nickel:**

**TDS:**

**TKN:**

**Selenium:**

**Sodium:**

**Strontium:**

**Nitrate:**

**Molybdenum:**

**Potassium:**

**Vanadium:**

**Calcium:**

**Manganese:**

**TC:**

**Zinc:**

**Magnesium:**

**Hydroxide:**

**Carbonate:**

**Zinc:**

**Dic:**

**Arsenic:**

**Total Hardness:**

**Aluminium:**

**Bismuth:**

**Phosphate:**

**Bicarbonate:**

**Chromium:**

**Amm. Nitrogen:**

**Barium:**

**Cadmium:**

**Iron:**

**Cobalt:**

**Total Phosphate:**

**Sulphate:**

**Beryllium:**

**Total Alkalinity:**

**Chloride:**

**Cadmium:**

**Iron:**

**Cobalt:**

**Total Alkalinity:**

**Fluoride:**

**Chromium:**

**Salt:**

**Citrate:**

**Lead:**

**Phosphate:**

**Barium:**

**Magnesium:**

**Zinc:**

**Starch:**

**Calcium:**

**Magnesium:**

**Aluminium:**

**Beryllium:**

**Phosphate:**

**Sulphate:**

**Beryllium:**

**Phosphate:**

**Chloride:**

**Cadmium:**

**Iron:**

**Cobalt:**

**Total Alkalinity:**

**Fluoride:**

**Chromium:**

**Amm. Nitrogen:**

**Iron:**

**Cobalt:**

**Total Alkalinity:**

**Silica:**

**Lead:**

**Nitrate&Nitrite N:**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 70.7 m
- **NPWL (m):** 6.3
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 28.0
  - **Bottom (m):** 28.0
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
  - **from (m):** to 28.0
- **Liner:**
  - **Type:**
  - **OD (mm):** 127.0
  - **Thickness (mm):** 0.1
  - **Top (m):** 26.5
  - **Bottom (m):** 69.8
- **Perforated How:** Saw
  - **from (m):** to 69.8
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:** SS54c02tl-02
  - **Intake (m):** 36.6

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 29.0
- **Drawdown (m):** 22.9
- **Rec'd intake (m):** 36.6
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):** SAR
- **Nickel:**
- **TDS:** TKN
- **Selenium:**
- **Sodium:** Nitrate
- **Strontium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Hydroxide:**
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** Beryllium
- **Phosphate:**
- **Chloride:** Cadmium
- **Ion Balance:**
- **Fluoride:** Chromium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Total Phosphate:**
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth - Elevation**

**BGL**  **(AMSL)**

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<th>Depth</th>
<th>Elevation</th>
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<td>(m)</td>
<td>(m)</td>
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<td>Lithologic Description</td>
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<tr>
<td>1.8</td>
<td>Gravel</td>
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<td>2.1</td>
<td>Clay</td>
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<td>Gravel</td>
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<td>Clay Hard</td>
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<td>Sand</td>
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<tr>
<td>10.4</td>
<td>Gravel</td>
</tr>
<tr>
<td>11.6</td>
<td>Clay &amp; Boulders</td>
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<td>13.1</td>
<td>Clay Blue</td>
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<td>15.2</td>
<td>Shale Gray</td>
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<td>19.8</td>
<td>Sand &amp; Rocks</td>
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<td>Clay Blue</td>
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<td>26.8</td>
<td>Gravel</td>
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<td>30.5</td>
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<td>32.3</td>
<td>Shale &amp; Coal Brown</td>
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<td>Shale</td>
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<td>Shale &amp; Coal Brown</td>
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<td>56.1</td>
<td>Shale Gray</td>
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<td>57.6</td>
<td>Shale &amp; Coal Brown</td>
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**Project:** Database: **1.000H**

**AEP Data:** Yes  Well Field Verified: No

**Electric Log:** No  Transmissivity: m²/day

**Gamma Log:** No  Storativity: }

**Aquifer Test:** No

**Remarks:**
**Well Number:** 08114

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<th>Stein, John</th>
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<td>Drilling Contractor:</td>
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<tr>
<td>Date Started:</td>
<td>14 Jun 93</td>
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<td>Date Completed:</td>
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<th>General:</th>
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<td>Type of Work: <strong>New Well</strong></td>
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<tr>
<td>Drilling Method: <strong>Cable Tool</strong></td>
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<tr>
<td>Well Use: <strong>Domestic</strong></td>
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<td>Completed Depth: 27.4 (m)</td>
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<tr>
<td>NPWL (m): 9.1</td>
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<tr>
<td>to: Size:</td>
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<tr>
<td>from (m):</td>
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<tr>
<td>to: Size:</td>
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<th>Open Hole:</th>
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<td>to:</td>
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<td>Intake (m):</td>
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<tr>
<th>Testing:</th>
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<tr>
<td>Time (minute): 120.0</td>
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<tr>
<td>Level End (m): 27.4</td>
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<tr>
<td>Drawdown (m): 18.3</td>
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<tr>
<td>Rec’d Rate (lpm): 22.8</td>
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<tr>
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<tbody>
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<td>pH (pH unit):</td>
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<td>Cond. (µS/cm):</td>
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<td>TDS:</td>
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<td>Sodium:</td>
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<td>Total Hardness:</td>
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<td>Ion Balance:</td>
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<td>Amm. Nitrogen:</td>
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<td>Copper:</td>
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<tr>
<td>Total Alkalinity:</td>
</tr>
<tr>
<td>Lead:</td>
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<td>NitrateNitrite N:</td>
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</tbody>
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| Chemical Constituents are in mg/l (ppm). Except as noted. |

<table>
<thead>
<tr>
<th>Electric Log: <strong>No</strong></th>
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<tbody>
<tr>
<td>Gamma Log: <strong>No</strong></td>
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<td>Aquifer Test: <strong>No</strong></td>
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<td>Project: Database: <strong>1.000H</strong></td>
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<td>AEP Data: Yes Well Field Verified: No</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 42.7 m
- **NPWL (m):** 8.5
- **Abandonment:**
- **Type:** Steel
- **Depth (m):** 25.9
- **Bottom (m):** 25.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 25.9
- **Liner:**
  - **Type:** Driven
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 24.7
  - **Bottom (m):** 42.7
- **Perforated How:** Saw
- **from (m):** to 41.2
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:** Sub
- **Model:**
- **Rate (lpm):** 27.4
- **Testing:**
  - **Level End (m):** 22.3
  - **Drawdown (m):** 13.7
  - **Rec’d intake (m):** 25.3
  - **Rec’d Rate (lpm):** 27.4
- **Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Beryllium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate
- **Nickel:** Nitrite
- **Barium:** Phosphate
- **Calcium:** Total Hardness
- **Magnesium:** Manganese
- **Silica:** Lead
- **Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Remarks:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

## Depth Elevation
<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.7</td>
<td>726.4</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>4.6</td>
<td>725.4</td>
<td>Clay Yellow</td>
</tr>
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<td>6.7</td>
<td>723.3</td>
<td>Gravel</td>
</tr>
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<td>9.4</td>
<td>720.6</td>
<td>Sand</td>
</tr>
<tr>
<td>11.3</td>
<td>718.7</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>12.8</td>
<td>717.2</td>
<td>Clay Gray</td>
</tr>
<tr>
<td>14.6</td>
<td>715.4</td>
<td>Gravel</td>
</tr>
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<td>16.8</td>
<td>713.3</td>
<td>Clay</td>
</tr>
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<td>20.7</td>
<td>709.3</td>
<td>Gravel</td>
</tr>
<tr>
<td>24.1</td>
<td>705.9</td>
<td>Shale Brownish Gray</td>
</tr>
<tr>
<td>25.3</td>
<td>704.7</td>
<td>Coal</td>
</tr>
<tr>
<td>27.7</td>
<td>702.3</td>
<td>Shale Greenish Gray</td>
</tr>
<tr>
<td>39.0</td>
<td>691.0</td>
<td>Sandstone Gray</td>
</tr>
<tr>
<td>39.9</td>
<td>690.1</td>
<td>Coal</td>
</tr>
<tr>
<td>42.7</td>
<td>687.3</td>
<td>Shale</td>
</tr>
</tbody>
</table>

## Database
- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

**print on 2/20/98**
Well Number: **08116**

**WellOwner:** Huckaluk, Joyce

**Drilling Contractor:** Midwest Water Well Ltd.

**Elevation (AMSL) (m):** 730

**licence No.:** 399347

**Date Started:** 21 Nov 94

**Date Completed:** 21 Nov 94

**Well Use:** Domestic

**Type of Work:** New Well

**Drilling Method:** Rotary

**Well Positioning:** Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 36.6 (m)
- **NPWL (m):** 13.1
- **Abandonment:**
- **Type:** Steel
- **Depth (m):** 19.2
- **Bottom (m):** 19.2
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 18.3
- **to:** 19.2
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 16.1
  - **Bottom (m):** 36.6
- **Perforated How:** Hand Drill
  - **from (m):** 21.9
  - **to:** 34.1
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 30.5
- **Testing:**
  - **Rate (lpm):** 68.4
  - **Time (minute):** 120.0
  - **Level End (m):** 24.4
  - **Drawdown (m):** 11.3
  - **Rec'd intake (m):** 24.4
  - **Rec'd Rate (lpm):** 68.4

---

### Laboratory:

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Selenium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

### Water Well Positioned by PFRA in 10TM NAD 27
**NE 32-053-05 W5M**

Well Owner: **Leskiw, Larry**  
Drilling Contractor: **Morrill’s Water Well Drilling Ltd.**

<table>
<thead>
<tr>
<th>General</th>
<th>Well Number: <strong>08117</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td><strong>Elevation (AMSL) (m):</strong> 730</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td><strong>AEP:</strong> 401095</td>
</tr>
</tbody>
</table>
| **Well Use:** Domestic | **Licence No.:**  
| **Completed Depth:** 54.9 (m) | **Easting:** 20,362.97 |
| **NPWL (m):** 7.3 | **Northing:** 5,939,150.50 |
| **Verified NPWL (m):** | **Date Started:** 25 Jan 95 |

**Abandonment:**

**Casing:**

- **Type:** Steel  
- **Depth (m):** 28.0  
- **Bottom (m):** 28.0  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 28.0

**Liner:**

- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 4.6  
- **Bottom (m):** 54.9

**Perforated How:** Machine

- **from (m):** 32.9 to 54.3  
- **Size:**

**Screen:**

- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**  
- **Intake (m):** 36.6

**Testing:**

- **Rate (lpm):** 31.9  
- **Time (minute):** 120.0  
- **Level End (m):** 36.6  
- **Drawdown (m):** 29.3  
- **Rec’d intake (m):** 39.6  
- **Rec’d Rate (lpm):** 31.9

**Laboratory:**

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
</tr>
</thead>
</table>
| **pH (pH unit):**  
| **Cond. (µS/cm):**  
| **TDS:**  
| **Sodium:**  
| **Potassium:**  
| **Calcium:**  
| **Magnesium:**  
| **Carbonate:**  
| **Bicarbonate:**  
| **Aluminum:**  
| **Beryllium:**  
| **Sulphate:**  
| **Chloride:**  
| **Fluoride:**  
| **Iron:**  
| **TOC:**  
| **Silica:**  
| **Laboratory:**  
| **Chemical Constituents are in mg/l (ppm). Except as noted.** |

| **Remarks:** |

**Drill**  
**Depth Elevation**  
**BGL (AMSL)**  
**Lithologic Description**

| 1.8 | 728.2 | Clay Sandy Brown |
| 4.3 | 725.7 | Sand Brown |
| 4.9 | 725.1 | Clay Gray |
| 10.4 | 719.7 | Sand Brown |
| 18.9 | 711.1 | Clay Sandy Gray |
| 25.9 | 704.1 | Sand & Gravel |
| 29.9 | 700.1 | Shale Gray |
| 37.8 | 692.2 | Shale Sandy Gray |
| 41.2 | 688.9 | Shale Gray |
| 42.4 | 687.6 | Coal |
| 43.9 | 686.1 | Shale Sandy Gray |
| 47.9 | 682.2 | Shale Gray |
| 49.1 | 680.9 | Coal |
| 50.6 | 679.4 | Shale Gray |
| 54.6 | 675.5 | Shale Sandy |
| 54.9 | 675.2 | Shale Gray |

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 20/2/98
### General:
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 61.0 m
- **NPWL (m)**: 10.7
- **Abandonment**: No

#### Casing:
- **Type**: Steel
- **Depth (m)**: 33.2
- **Bottom (m)**: 33.2
- **OD (mm)**: 139.7
- **Thickness (mm)**: 0.1
- **Seal Type**: Driven
- **from (m)**: to 33.2

#### Liner:
- **Type**: Steel
- **OD (mm)**: 114.3
- **Thickness (mm)**: 0.1
- **Top (m)**: 18.8
- **Bottom (m)**: 61.0

#### Screen:
- **Material**: Steel
- **from (m)**: to
- **Size**:

#### Open Hole:
- **from (m)**: to

#### Pump:
- **Model**:
- **Intake (m)**: 45.6
- **Rate (lpm)**: 45.6
- **Time (minute)**: 420.0
- **Level End (m)**: 36.6
- **Drawdown (m)**: 25.9
- **Rec'd intake (m)**: 36.6

### Laboratory:
- **pH (pH unit)**: 
- **Cond. (µS/cm)**: SAR Nickel
- **TDS**: TKN Selenium
- **Salinity**: Nitrate Strontium
- **Potassium**: Nitrite Molybdenum
- **Calcium**: TN Vanadium
- **Magnesium**: TC Zinc
- **Carbonate**: DIC Hydroxide
- **Bicarbonate**: Arsenic Total Hardness
- **Aluminium**: Barium Manganese
- ** Sulphate**: Beryllium Phosphate
- **Chloride**: Cadmium Ion Balance
- **Fluoride**: Chromium Amm. Nitrogen
- **Iron**: Cobalt Total Phosphate
- **TOC**: Copper Total Alkalinity
- **Silica**: Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity**: m³/day
- **Storativity**:
- **Aquifer Test**: No
- **Project**: 1.000H
- **AEP Data**: Yes

### Water Well Positioned by PFRA in 10TM NAD 27

---

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
**NE 32-053-05 W5M**

**Well Owner:** Purvis, G.J  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 730  
**Licence No.:** Easting: 20,362.97  
**Date Started:** Northing: 5,939,190.50  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic

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<th>Completed Depth</th>
<th>(m)</th>
<th>NPWL (m)</th>
<th>Verified NPWL (m):</th>
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<tbody>
<tr>
<td>11.9</td>
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- **Abandonment:**

<table>
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<tr>
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<tbody>
<tr>
<td><strong>Type:</strong></td>
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<td>Depth (m):</td>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>Seal Type:</td>
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<td>Thickness (mm):</td>
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<tr>
<td>from (m): to</td>
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<thead>
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<td><strong>Type:</strong></td>
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<td>OD (mm):</td>
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<td>Top (m):</td>
</tr>
<tr>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>from (m): to</td>
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<thead>
<tr>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>(No Lithologic Information Available)</td>
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<tr>
<td><strong>Material:</strong></td>
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<tr>
<td>OD (mm):</td>
</tr>
<tr>
<td>from (m): to</td>
</tr>
<tr>
<td>from (m): to</td>
</tr>
<tr>
<td>from (m): to</td>
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<table>
<thead>
<tr>
<th>Open Hole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>from (m): to</td>
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### Pump:
- **Model:**  
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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<thead>
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<th>Laboratory:</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
</tr>
<tr>
<td>Sodium</td>
</tr>
<tr>
<td>Potassium</td>
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<td>Calcium</td>
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<td>Chloride</td>
</tr>
<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron</td>
</tr>
<tr>
<td>TOC</td>
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<tr>
<td>Silica</td>
</tr>
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</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing:
- Electric Log: No  
- Transmissivity: m²/day  
- Gamma Log: No  
- Storativity:  
- Aquifer Test: No  
- Project: Database: 1.000H

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<thead>
<tr>
<th>Chemical Constituents</th>
<th>Electric Log</th>
<th>Gamma Log</th>
<th>Aquifer Test</th>
<th>Project</th>
<th>Database</th>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Database: 1.000H</td>
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**Remarks:**

- Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
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<tr>
<td>Drilling Method:</td>
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<tr>
<td>Well Use:</td>
<td>Domestic</td>
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<table>
<thead>
<tr>
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<th>54.9 m</th>
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<tr>
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#### Abandonment:

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</tr>
<tr>
<td>Bottom (m):</td>
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<tr>
<td>OD (mm):</td>
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<td>Thickness (mm):</td>
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<table>
<thead>
<tr>
<th>Seal Type:</th>
<th>Driven</th>
</tr>
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<tbody>
<tr>
<td>from (m):</td>
<td>to 33.2</td>
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#### Well Use:

<table>
<thead>
<tr>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>15.2 714.8 Sand</td>
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<tr>
<td>21.3 708.7 Clay Blue</td>
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<td>22.9 707.2 Coal</td>
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<td>23.8 706.2 Shale Brown</td>
</tr>
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<td>27.4 702.6 Shale Fractured Gray</td>
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<td>33.5 696.5 Shale Gray</td>
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<td>38.1 691.9 Sandstone</td>
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<td>39.0 691.0 Shale Gray</td>
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<td>53.0 677.0 Sandstone</td>
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<td>54.9 675.2 Shale Gray</td>
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#### Depth Elevation

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<th>Depth</th>
<th>Elevation (BGL) (m)</th>
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<tbody>
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<td>54.9</td>
<td>675.2</td>
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#### Laboratory:

<table>
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<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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#### Pump:

<table>
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<tr>
<th>Model</th>
<th>Intake (m):</th>
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<table>
<thead>
<tr>
<th>Testing</th>
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<tbody>
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<td>Rate (lpm):</td>
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<tr>
<td>Time (minute):</td>
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<tr>
<td>Level End (m):</td>
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<tr>
<td>Drawdown (m):</td>
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<tr>
<td>Rec'd Rate (lpm):</td>
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<td>Rec'd intake (m):</td>
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#### Electric Log:

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<th>Transmissivity:</th>
<th>m²/day</th>
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<tr>
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<td>Aquifer Test:</td>
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<td>Project:</td>
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<td>Yes</td>
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<td>Database:</td>
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</tbody>
</table>

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
## NW 32-053-05 W5M

**Well Number:** 08121

**Well Owner:** Camp He Ho Ha

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 728

**Licence No.:** Easting: 19,287.85

**Date Started:** Northing: 5,933,377.00

**Date Completed:**

### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Intake (m):
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):**

### Laboratory:

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
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<td>Beryllium</td>
<td>Phosphate</td>
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<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
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<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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</tbody>
</table>

### Electric Log:

- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm). Except as noted.*

*Printed on 2/20/98*
### General:
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic
- **Completed Depth**: 54.9 m
  - NPWL (m): 7.6
  - Verified NPWL (m): 5.5
- **Abandonment**:
- **Type**: Steel
  - **Depth (m)**: 33.5
  - **Bottom (m)**: 33.5
  - **OD (mm)**: 141.2
  - **Thickness (mm)**: 0.1
- **Seal Type**: Driven
  - from (m): 3.3
  - to: 33.5
- **Liner**:
  - **Type**: Driven
  - **OD (mm)**: 114.3
  - **Thickness (mm)**: 54.9
  - **Top (m)**: 32.6
  - **Bottom (m)**: 54.9
- **Perforated HOW**: Machine
  - from (m): 42.7
  - to: 54.9
  - Size:
  - from (m): 48.0
  - to: 53.2
- **Screen**:
  - **Material**:
    - OD (mm): from (m): to Size:
    - Thickness:
  - from (m): to Size:
  - **Open Hole**:
    - from (m): to
  - **Pump**: Sub
  - **Model**:
  - **Rate (lpm)**: 59.3
  - **Time (minute)**: 480.0
  - **Level End (m)**: 30.5
  - **Drawdown (m)**: 22.3
  - **Rec'd intake (m)**: 51.2
  - **Rec'd Rate (lpm)**:

### Laboratory:
- **pH (pH unit)**: COD
  - **SAR**: Mercury
  - **TDS**: Nickel
  - **Sodium**: Strontium
  - **Nitrate**: Selenium
  - **Potassium**: Molybdenum
  - **Calcium**: Vanadium
  - **Magnesium**: Zinc
  - **Carbonte**: Hydroxide
  - **Bicarbonate**: Total Hardness
  - **Aluminum**: Manganese
  - **Barium**: Phosphate
  - **Sulphate**: Uranium
  - **Chloride**: Iron Balance
  - **Fluoride**: Amm. Nitrogen
  - **Iron**: Total Phosphate
  - **TOC**: Total Alkalinity
  - **Silica**: Lead
  - **Open Hole**: Nitrate&Nitrite N
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation:
- **(BGL) (AMSL)**
  - (m)
  - (m)
  - **Lithologic Description**
  - 0.9 727.0 Sand
  - 5.5 722.4 Clay Yellow
  - 17.1 710.8 Sand & Gravel
  - 18.6 709.3 Shale Brown
  - 22.3 705.6 Clay Sandy Blue
  - 29.9 698.0 Sand & Gravel
  - 31.4 696.5 Shale Gray
  - 39.6 688.3 Shale Gray
  - 40.5 687.3 Shale & Coal Brown
  - 44.8 683.1 Shale Gray
  - 45.4 682.5 Coal
  - 49.4 678.5 Sandstone Light Gray
  - 52.4 675.5 Shale Gray
  - 52.7 675.2 Shale Brown
  - 53.0 674.9 Coal
  - 54.9 673.0 Shale

### Electric Log:
- **Transmissivity**: m²/day

### Gamma Log:
- **Storativity**:

### Aquifer Test:
- **Project**: Database: 1.000H
  - **AEP Data**: Yes
  - **Well Field Verified**: No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-053-06 W5M**

**Well Owner:** Buffel, Maurice  
**Drilling Contractor:** Unknown Driller

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<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> Chemistry</td>
<td><strong>(BGL) (AMSL)</strong></td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td>(m)</td>
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<tr>
<td><strong>Completed Depth:</strong> 27.4 (m)</td>
<td><strong>Verified NPWL:</strong></td>
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<tr>
<td>NPWL (m):</td>
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<td><strong>Abandonment:</strong></td>
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<tr>
<td><strong>OD (mm):</strong> Thickness (mm):</td>
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<tr>
<td><strong>Seal Type:</strong></td>
<td>to</td>
</tr>
<tr>
<td><strong>from (m):</strong></td>
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<td><strong>Top (m):</strong> Bottom (m):</td>
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<td><strong>Perforated How:</strong></td>
<td>to</td>
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<tr>
<td><strong>OD (mm):</strong></td>
<td>to</td>
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<tr>
<td><strong>from (m):</strong> Size:</td>
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<tr>
<td><strong>from (m):</strong> Size:</td>
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<td><strong>from (m):</strong> Size:</td>
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<table>
<thead>
<tr>
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<td><strong>from (m):</strong></td>
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<th>Pumps</th>
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<td><strong>Model:</strong></td>
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<td><strong>Intake (m):</strong></td>
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<td><strong>Rate (lpm):</strong></td>
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<tr>
<td><strong>Time (minute):</strong></td>
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<tr>
<td><strong>Level End (m):</strong></td>
<td></td>
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<tr>
<td><strong>Drawdown (m):</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Rec'd intake (m):</strong></td>
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<tr>
<td><strong>Rec'd Rate (lpm):</strong></td>
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<td><strong>pH (pH unit):</strong></td>
<td>COD Mercury</td>
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<td><strong>Cond. (µS/cm):</strong></td>
<td>SAR Nickel</td>
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<td><strong>TDS:</strong></td>
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<td><strong>Sodium:</strong></td>
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<td><strong>Potassium:</strong></td>
<td>Nitrite Molybdenum</td>
</tr>
<tr>
<td><strong>Calcium:</strong></td>
<td>TN Vanadium</td>
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<td><strong>Magnesium:</strong></td>
<td>TC Zinc</td>
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<td><strong>Carbonate:</strong></td>
<td>DIC Hydroxide</td>
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<td><strong>Bicarbonate:</strong></td>
<td>Arsenic Total Hardness</td>
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<td><strong>Aluminium:</strong></td>
<td>Barium Manganese</td>
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<td><strong>Sulphate:</strong></td>
<td>Beryllium Phosphate</td>
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<td>Chromium Amm. Nitrogen</td>
</tr>
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<td><strong>Iron:</strong></td>
<td>Cobalt Total Phosphate</td>
</tr>
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<td><strong>TOC:</strong></td>
<td>Copper Total Alkalinity</td>
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<td><strong>Silica:</strong></td>
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<tbody>
<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
<td></td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number 08133**

**Elevation (AMSL) (m):** 743  
**AEP:** 365243  
**Date Started:**  
**Date Completed:**  
**Easting:** 17,240.40  
**Northing:** 5,931,302.00

**Chemical Constituents are in mg/l (ppm). Except as noted.**
NW 01-053-06 W5M

Well Owner: Stan Bud Construction Ltd
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 745
AEP: 449031
Licence No.: 08134
Eastings: 16,076.16
Date Started: 08 May 84
Nortings: 5,931,369.50
Date Completed: 09 May 84

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<tr>
<td>Type of Work: New Well</td>
<td>(BGL) (AMSL)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>(m) (m)</td>
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<tr>
<td>Well Use: Domestic</td>
<td>Lithologic Description</td>
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<tr>
<td>Completed Depth 33.2 (m)</td>
<td>Clay Sandy Yellow</td>
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<td>NPWL (m): 12.2</td>
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<td>33.2 712.2 Shale Gray</td>
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Abandonment:

<table>
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<th>Casing:</th>
<th>1.000H</th>
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<td>OD (mm): 141.2</td>
<td>103</td>
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<td>Thickness (mm):</td>
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<tr>
<td>Seal Type: Driven &amp; Formation P</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
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<td>to 15.2</td>
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<td>to 32.3</td>
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<td>from (m):</td>
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<td>to</td>
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<td>to</td>
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<td>Testing:</td>
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<td>Rate (lpm): 31.9</td>
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<td>Rec’d intake (m):</td>
<td>Rec’d Rate (lpm):</td>
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<tr>
<td>pH (pH unit):</td>
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<td>Cond. (µS/cm):</td>
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<td>TDS</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

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<th>Remarks:</th>
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<tr>
<td>Electric Log: No</td>
<td>Transmissivity: m³/day</td>
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<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<td>Aquifer Test: No</td>
<td>Project: Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
SE 01-053-06 W5M

Well Owner: Shumborski
Drilling Contractor: Big Iron Drilling Ltd.

Well Number: 08135

Elevation (AMSL) (m): 729
AEP: 394171
License No.: Easting: 16,963.74
Date Started: Northing: 5,930,306.00
Date Completed: 31 Oct 67

General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Domestic
Completed Depth: 27.4 (m)
NPWL (m): 13.7 Verified NPWL (m):
Abandonment:

Casings:
Type: Steel
Depth (m): 16.5 Bottom (m): 16.5
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type: Steel
OD (mm): 116.8 Thickness (mm):
Top (m): Bottom (m): 27.4
Perforated How:
from (m): 15.2 to 27.4 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 54.7 Time (minute): 60.0
Level End (m): 13.7 Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

(printed on 2/20/98)
**General:**
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Stock**
- Completed Depth: **36.6 (m)**
- NPWL (m): **18.3**
- Abandonment:

**Casing:**
- Type: **Galvanized Steel**
- Depth (m): **27.7**
- OD (mm): **114.3**
- Thickness (mm): **0.0**
- Seal Type: **Driven**
- Liner:
  - Type: 
  - OD (mm): 
  - Thickness (mm): 
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:
- Screen:
  - Material: 
  - OD (mm): 
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
from (m): to

**Pump:**
- Model: 
- Intake (m):
- Testing:
  - Rate (lpm): **68.4**
  - Time (minute): **60.0**
  - Level End (m): Drawdown (m): Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit) COD Mercury
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminum Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite

** depth  elevation**

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<tr>
<td>Shale Sandy</td>
<td>36.6</td>
<td>711.9</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 18.3 (m)
- **NPWL (m):** 3.1
- **Verified NPWL (m):** No

## Casing:
- **Type:**
  - **Depth (m):**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Seal Type:** Bentonite Chips/Tabl
  - **from (m):** to 13.1

## Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):**
  - **Bottom (m):** 18.3

## Perforated How:
- **from (m):** 14.6 to 18.0
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to
  - **Size:**
  - **from (m):** to
  - **Size:**
  - **from (m):** to

## Open Hole:
- **from (m):**

## Pump:
- **Model:**
- **Intake (m):** 12.2

## Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 180.0
- **Level End (m):** 3.1
- **Rec'd intake (m):** 13.7
- **Rec'd Rate (lpm):** 54.7

## Laboratory:
- **pH (pH unit):**
- **COD:**
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Electric Log:
- **Transmissivity:**
- **Gamme Log:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes
- **Database:** 1.000H
- **Remarks:**

---

**SE 02-053-06 W5M**

**Well Number: 08137**

**Well Owner:** Dzus, Morris

**Drilling Contractor:** Blakeman'S, Norm Drilling Ltd.

**Elevation (AMSL) (m):** 740

**AEP:** 361182

**Licence No.:**

**Date Started:** 01 Aug 91

**Easting:** 15,337.81

**Northing:** 5,930,304.50

**Date Completed:** 01 Aug 91

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### Well Number 08138

**Well Owner:** Alta Env #1320e  
**Drilling Contractor:** Alberta Environment  
**Elevation (AMSL) (m):** 757  
**Licence No.:** Easting: 13,992.42  
**Date Started:** Northing: 5,931,128.00  
**Date Completed:** 12 Oct 74  
**Well Number:** 08138

#### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Drilled  
- **Well Use:** Investigation

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<th>NPWL (m)</th>
<th>Verified NPWL (m)</th>
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<td>15.2</td>
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#### Casing:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **Abandonment:**

#### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**

#### Screen:
- **Material:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Screen:**

#### Open Hole:
- **from (m):**  
- **to:**

#### Pump:
- **Model:**  
- **Intake (m):**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

#### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminum:** Barium  
- **Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  
- **Chemical Constituents are in mg/l (ppm). Except as noted."}

#### Electric Log:
- No  
- Transmissivity: m²/day

#### Gamma Log:
- No  
- Storativity:

#### Aquifer Test:
- No  
- Project:

#### AEP Data:
- Yes  
- Well Field Verified: No  
- Database: 1.000H

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 08139

Well Owner: Morgan Hydrocarbons Sp# 121
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 764
AEP: 364797
Licence No.: Easting: 9,037.68
Date Started: 16 Aug 92
Northing: 5,930,095.89
Date Completed: 21 Aug 92

General:
Type of Work: Flowing Shot Hole
Drilling Method: Unknown
Well Use: Industrial
Completed Depth: 18.0 (m)
NPWL (m): Verificd NPWL (m):
Abandonment: Plug & Cement 25 Aug 92

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to
Liner:
Type:
OD (mm): Thickness (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:

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Remarks:
Water Well Positioned by Mow-Tech in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**

- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **NPWL (m):** 363793764
- **Verified NPWL (m):**
- **Abandonment:** Plug & Cement 25 Aug 92

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:**
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

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**Water Well Positioned by Mow-Tech in 10TM NAD 27**
Well Number: 08141

Well Owner: Belcourt, N.
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 906
Licence No.: AEP: 361103
Date Started: 25 Nov 91
Date Completed: 26 Nov 91

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 42.7 (m)
NPWL (m): 28.0 Verified NPWL (m):
Abandonment:

Casing:
Type: Plastic
Depth (m): 18.3 Bottom (m): 18.3
OD (mm): 152.4 Thickness (mm): 0.1
Seal Type: Shale Trap & Bentonite
from (m): 16.5 to 18.3

Liner:
Type:
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 15.2 Bottom (m): 42.7
Perforated How: Saw
from (m): 30.5 to 36.0 Size:
from (m): 37.2 to 42.7 Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 36.6

Testing:
Rate (lpm): 18.2 Time (minute): 170.0
Level End (m): 36.6 Drawdown (m): 8.5
Rec’d intake (m): 36.6 Rec’d Rate (lpm): 18.2

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**NW 09-053-06 W5M**

**Well Number:** 08142

**Well Owner:** Faja Ranches

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 831

**AEP:** 351501

**Licence No.:**

**Easting:** 11,234.19

**Date Started:** 07 Jun 90

**Northing:** 5,933,308.50

**Date Completed:** 11 Jun 90

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 82.3 (m)
- **NPWL (m):** 66.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
  - **Depth (m):** 32.9
  - **Bottom (m):** 32.9
  - **OD (mm):** 141.2
  - **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 32.9

### Liner:
- **Type:** Driven
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 32.3
  - **Bottom (m):** 82.3
- **Perforated How:** Other
  - **from (m):** to 82.3
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **from (m):** to
  - **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 78.3

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 70.1
- **Drawdown (m):** 4.0
- **Rec'd intake (m):** 78.3
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Amm. Nitrogen:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Copper:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Phosphate:**
- **Total Hardness:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Cadmium:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Phosphate:**

### Electric Log:
- **Transmissivity:** m²/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

printed on 2/20/98
### General:
- **Well Owner:** Smith, Amy N
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 831
- **AEP:** 363745
- **Date Started:** 11,234.19
- **Northing:** 5,933,308.50

### Well Number: 08143

<table>
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<tr>
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<td>Date Completed</td>
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#### Lithologic Description

<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<tbody>
<tr>
<td>82.3</td>
<td>(No Lithologic Information Available)</td>
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#### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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<tr>
<th>Chemical Constituents</th>
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<tbody>
<tr>
<td>COD</td>
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<tr>
<td>SAR</td>
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<td>mg/l (ppm)</td>
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<td>Nitrite</td>
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<td>Molybdenum</td>
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<td>Vanadium</td>
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<td>mg/l (ppm)</td>
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<td>Hydroxide</td>
<td>mg/l (ppm)</td>
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<tr>
<td>Total Hardness</td>
<td>mg/l (ppm)</td>
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<tr>
<td>Manganese</td>
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<tr>
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<tr>
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<td>Zinc</td>
<td>mg/l (ppm)</td>
</tr>
<tr>
<td>Hydroxide</td>
<td>mg/l (ppm)</td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Database:** 1.000H
- **Project:**
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 22.9 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Iron Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:** Database: 1.000H

### Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 18.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **AEP Data:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 42.7 m
- **NPWL (m):**Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
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<tr>
<th>Chemical Constituents</th>
<th>Value (mg/l or ppm)</th>
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<td>pH (pH unit)</td>
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<tr>
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<td>Lead</td>
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<td>Nitrate &amp; Nitrite N</td>
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### Depth Elevation (BGL) (AMSL):
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<tr>
<td>1.2</td>
<td>759.8</td>
<td>Sand &amp; Gravel</td>
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<td>10.7</td>
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<td>33.2</td>
<td>727.8</td>
<td>Sandstone Medium Grained Dark</td>
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<tr>
<td>36.6</td>
<td>724.5</td>
<td>Siltstone Carbonaceous Greenis</td>
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<td>38.1</td>
<td>722.9</td>
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<td>41.5</td>
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<td>Coal</td>
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<tr>
<td>42.7</td>
<td>718.4</td>
<td>Shale &amp; Coal Carbonaceous</td>
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</tbody>
</table>

### Electric Log: Yes Transmissivity: m³/day
### Gamma Log: Yes Storativity:
### Aquifer Test: No
### Project: Database: 1.000H
### AEP Data: Yes Well Field Verified: No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 08147

**Well Owner:** Alta Env #1317e

**Drilling Contractor:** Alberta Environment

**Depth and Elevation (BGL) (AMSL) (m) Lithologic Description**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
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<tbody>
<tr>
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<td>734.2</td>
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<tr>
<td>5.5 Sandstone Medium Grained Green</td>
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<td>15.2 Sandstone Medium Grained Gray</td>
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<td>21.3 Sandstone Gray</td>
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<td>29.3 Coal</td>
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<td>33.5 Siltstone</td>
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**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 33.5 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
SE 12-053-06 W5M

Well Owner: Smith, Gordon
Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

Well Number 08148

Elevation (AMSL) (m): 735  AEP: 369405
Licence No.: 16,767.77  Date Started: 31 May 93
Date Completed: 31 May 93

Nortthing: 5,932,025.00

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 30.5 (m)
NPWL (m): 10.1 Verified NPWL (m):
Abandonment:
Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: Shale Trap & Bentoni
from (m): to 19.5

Liner:
Type:
OD (mm): Thickness (mm): 127.0 0.1
Top (m): Bottom (m): 30.5
Perforated How: Saw
from (m): 19.8 to 22.9 Size:
from (m): 25.3 to 29.6 Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m): 24.4

Testing:
Rate (lpm): 16.0 Time (minute): 120.0
Level End (m): Drawdown (m):
Rec'd intake (m): 25.9 Rec'd Rate (lpm): 13.7

Laboratory:
pH (pH unit) COD  Mercury
Cond. (µS/cm) SAR  Nickel
TDS  TKN  Selenium
Sodium Nitrate  Strontium
Potassium Nitrite  Molybdenum
Calcium TN  Vanadium
Magnesium TC  Zinc
Carbonate DIC  Hydroxide
Bicarbonate Arsenic  Total Hardness
Aluminium Barium  Manganese
Sulphate Beryllium  Phosphate
Chloride Cadmium  Ion Balance
Fluoride Chromium  Amm. Nitrogen
Iron Cobalt  Total Phosphate
TOC Copper  Total Alkalinity
Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Industrial
- **Completed Depth:** 28.7 m
- **NPWL (m):** 11.4
- **Elevation (AMSL) (m):** 753
- **Well Owner:** Cable Ridge Joint Venture
- **Drilling Contractor:** Grove Drilling Ltd
- **Licence No.:** Easting: 17,129.12
- **Date Started:** 01 Jan 79
- **Date Completed:** 01 Jan 79

### Casing:
- **Type:**
- **Depth (m):**
- **Thickness (mm):**
- **Seal Type:** Unknown
- **from (m):** to 12.2

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):**
- **Bottom (m):** 28.7

### Perforated How:
- **Torch**
- **from (m):** 16.5 to 28.7
- **to:** 28.7
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **to:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 25.9

### Water Well Positioned by PFRA in 10TM NAD 27

### Lithologic Description
<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<td>3.1</td>
<td>749.5</td>
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<td>6.1</td>
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<tr>
<td>28.7</td>
<td>723.9</td>
<td>Sandstone Hard</td>
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### Chemical Constituents
- **pH (pH unit):**
- **COD (mg/l):**
- **SAR (mg/l):**
- **TDS (mg/l):**
- **Nitrate (mg/l):**
- **Selenium (µg/l):**
- **Nitrate (mg/l):**
- **Sodium (mg/l):**
- **Calcium (mg/l):**
- **Barium (mg/l):**
- **Strontium (mg/l):**
- **Nitrite (mg/l):**
- **Molybdenum (mg/l):**
- **Beryllium (mg/l):**
- **Phosphate (mg/l):**
- **Nickel (mg/l):**
- **Sodium (mg/l):**
- **Lead (mg/l):**
- **Magnesium (mg/l):**
- **Iron (mg/l):**
- **Total Hardness (mg/l):**
- **Phosphate (mg/l):**
- **Cadmium (mg/l):**
- **Total Phosphate (mg/l):**
- **Copper (mg/l):**
- **Calcium (mg/l):**
- **Iron (mg/l):**
- **Phosphate (mg/l):**
- **Magnesium (mg/l):**
- **Sodium (mg/l):**
- **Lead (mg/l):**
- **Iron (mg/l):**
- **Manganese (mg/l):**
- **Sodium (mg/l):**
- **Lead (mg/l):**
- **Iron (mg/l):**
- **Strontium (mg/l):**
- **Molybdenum (mg/l):**
- **Calcium (mg/l):**
- **Sodium (mg/l):**
- **Magnesium (mg/l):**

### Hyperlinks
- Electric Log: Yes
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
Well Number 08150

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Not Applicable  
- **Well Use:** Domestic  
- **Completed Depth:** 70.1 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  

#### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

#### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  

#### Screen:
- **Material:**  
- **OD (mm):** from (m): to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Open Hole:** from (m): to  

#### Pump:
- **Model:**  
- **Intake (m):**  

#### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

#### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m³/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes Well Field Verified: No  

### Water Well Positioned by PFRA in 10TM NAD 27
## Well Number: 08151

**Well Owner:** Alta Env #13444  
**Drilling Contractor:** Alberta Environment  
**Elevation (AMSL) (m):** 772  
**AEP:** 401696  
**Date Started:** 14 Oct 74  
**Date Completed:** 24 Oct 74  
**Easting:** 14,093.14  
**Northing:** 5,933,524.50  

### General:
- **Type of Work:** Test Hole  
- **Drilling Method:** Drilled  
- **Well Use:** Investigation  
- **Completed Depth:** 30.5 m  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**  

### Casing:
- **Type:**  
  - Depth (m): Bottom (m):  
  - OD (mm): Thickness (mm):  
  - Seal Type: from (m): to  

### Liner:
- **Type:**  
  - OD (mm): Thickness (mm):  
  - Top (m): Bottom (m):  
  - Perforated How: from (m): to Size:  

### Screen:
- **Material:**  
  - OD (mm): from (m): to Size:  
  - Thickness (mm): from (m): to Size:  

### Open Hole:
- from (m): to  

### Pump:
- **Model:**  
  - Intake (m):  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminum:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphate  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  

### Gamma Log:
- **Storativity:**  

### Aquifer Test:
- **Project:**  
  - Database: **1.000H**  
  - **AEP Data:** Yes  
  - **Well Field Verified:** No  

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27  

printed on2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 63.4 m
- **NPWL (m):** 7.9
- **Elevation Depth (AMSL) (m):**
- **Lithologic Description:**
  - **Lithology:** Clay Brown
  - **Elevation:** 733.5
  - **NPWL:** 0.0

**Casing:**
- **Type:** Steel
- **Depth (m):** 27.1
- **Bottom (m):** 27.1
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **Size:** 27.1
- **Size:** 27.1

**Liner:**
- **Type:** Driven
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 14.0
- **Bottom (m):** 62.8
- **Perforated How:** Machine
- **Size:** 32.3
- **Size:** 62.8

**Screen:**
- **Material:**
- **OD (mm):**
- **Size:**
- **Size:**

**Open Hole:**
- **Size:**

**Pump:**
- **Model:**
- **Intake (m):** 45.7

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 18.2

**Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- ** Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

**Water Well Positioned by PFRA in 10TM NAD 27**
**Well Number:** 08153

**Well Owner:** 360439 Alta Ltd

**Drilling Contractor:** Morril'S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 817

**AEP:** 369721

**Date Started:** 16 Jan 89

**Date Completed:** 17 Jan 89

**Licence No.:** 11,473.74

**Nortthing:** 5,933,410.00

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 75.0 (m)
- **NPWL (m):** 16.5
- **Verified NPWL (m):**
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 42.7
  - **Bottom (m):** 42.7
  - **OD (mm):** 139.7
  - **Thickness (mm):** 0.1
- **Seal Type:** Formation Packer
  - **from (m):** to 21.3
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 39.6
  - **Bottom (m):** 70.1
- **Perforated How:** Machine
  - **from (m):** to 33.5
  - **Size:**
  - **from (m):** to 70.1
  - **Size:**
  - **from (m):** to

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **from (m):** to
- **Open Hole:**
  - **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 36.6

**Testing:**
- **Rate (lpm):** 73.0
  - **Time (minute):** 120.0
- **Level End (m):** 27.4
  - **Drawdown (m):** 11.0
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Nitrite:**
- **Beryllium:**
- **Arsenic:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Phosphorus:**
- **Ion Balance:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrates & Nitrites:**
- **Lead:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Chromium:**
- **Cadmium:**
- **Cadmium:**
- **Ammonium:**
- **Total Nitrogen:**
- **Fluoride:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number: 08154

Well Owner: Smith, Amy N
Drilling Contractor: Unknown Driller

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**
- **COD**
- **SAR**
- **TKN**
- **Nitrate**
- **Beryllium**
- **Barium**
- **Sulphate**
- **Beryllium**
- **Cadmium**
- **Chromium**
- **Arsenic**
- **Iodine**
- **Lead**
- **Nickel**
- **Selenium**
- **Strontium**
- **Sodium**
- **Nitrite**
- **Molybdenum**
- **Potassium**
- **Vanadium**
- **Total Hardness**
- **Manganese**
- **Total Alkalinity**
- **Zinc**
- **Iron**
- **Total Phosphate**
- **Copper**
- **Total Alkalinity**
- **Lead**
- **Nitrate & Nitrite**
- **Chromium**
- **Amm. Nitrogen**
- **Cadmium**
- **Ammonia Nitrogen (m) Transmissivity:**
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test: No**
- **Project:**
- **Database: 1.000H**
- **AEP Data: Yes**
- **Well Field Verified: No**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
**NW 18-053-06 W5M**

**Well Owner:** Gylander, Allan  
**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

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<th>Elevation (AMSL) (m): 739</th>
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<td>Date Started: 11 Oct 88</td>
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<td>Well Use: Stock</td>
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<tr>
<td>Completed Depth 54.9 (m)</td>
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<tbody>
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<td>Type: Steel</td>
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<tr>
<td>Depth (m): 31.4</td>
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<td>Bottom (m): 31.4</td>
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<td>OD (mm): 139.7</td>
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<td>Thickness (mm): 0.1</td>
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<tr>
<td>Type: Driven</td>
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<td>Material:</td>
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<tr>
<td>OD (mm):</td>
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<tr>
<td>from (m): to</td>
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<tr>
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<th>Open Hole:</th>
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<th>Pump:</th>
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<td>Drawdown (m): 19.8</td>
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<td>Rec’d intake (m):</td>
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<td>Rec’d Rate (lpm): 45.6</td>
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</tr>
<tr>
<td>TOC</td>
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<td>silica</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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<thead>
<tr>
<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<td>Aquifer Test: No</td>
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<td>Project:</td>
<td>Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 61.0 (m)
- NPWL (m):
- Verified NPWL (m):
- Abandonment:

**Casing:**
- **Type:**
  - Depth (m):
  - Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m):
  - to

**Liner:**
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

**Screen:**
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

**Open Hole:**
- from (m):

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm), Except as noted.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Log: No</td>
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<tr>
<td>Gamma Log: No</td>
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<tr>
<td>Aquifer Test: No</td>
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<td>AEP Data: Yes</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**printed on:** 2/20/98
## General:

**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 69.8 (m)  
**NPWL (m):** 24.4  
**Verified NPWL (m):**  
**Abandonment:**  

### Casing:

**Type:** Plastic  
**Depth (m):** 34.1  
**Bottom (m):** 34.1  
**OD (mm):** 152.4  
**Thickness (mm):** 0.1  
**Seal Type:** Formation Seal  
**from (m):** to 34.1

### Liner:

**Type:**  
**OD (mm):** 114.3  
**Thickness (mm):** 0.1  
**Top (m):** 31.1  
**Bottom (m):** 68.9  
**Perforated How:** Machine  
**from (m):** 31.1 to 68.9  
**Size:**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**

### Screen:

**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  
**from (m):** to  
**Size:**

### Open Hole:

**from (m):** to

### Pump:

**Model:**  
**Intake (m):**

### Testing:

**Rate (lpm):** 31.9  
**Time (minute):** 420.0  
**Level End (m):** 6.1  
**Rec'd Rate (lpm):**

## Laboratory:

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<th>Chemical Constituents</th>
<th>Value (mg/l)</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
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</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
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<tr>
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<td>Carbonate</td>
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<tr>
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<td>Chromium</td>
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<td>Iron</td>
<td>Cobalt</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Silica</td>
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<tr>
<td>DIC</td>
<td>Hydroxide</td>
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<td>Aquifer Test: No</td>
<td>Project: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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</table>

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How:
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

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<th>Value 1</th>
<th>Value 2</th>
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<td>TDS</td>
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<td>Fluoride</td>
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<td></td>
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<tr>
<td>Iron</td>
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<td></td>
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<td>TOC</td>
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<td>Silica</td>
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<tr>
<td>Lead</td>
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<tr>
<td>Nitrate &amp; Nitrite N</td>
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</table>

### Chemical Constituents:
- COD
- Mercury
- SAR
- Nickel
- TKN
- Selenium
- Nitrate
- Strontium
- Nitrite
- Molybdenum
- TN
- Vanadium
- TC
- Zinc
- DIC
- Hydroxide
- Bicarbonate
- Total Hardness
- Arsenic
- Total Phosphate
- Total Alkalinity
- Manganese
- Phosphate
- Cadmium
- Ion Balance
- Chromium
- Amm. Nitrogen
- Cobalt
- Total Phosphate
- Copper
- Lead
- Nitrate & Nitrite N

### Electric Log:
- **Yes**
- **Transmissivity:** m²/day

### Gamma Log:
- **Yes**
- **Storativity:**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

*printed on 2/20/98*
**General:**
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation

**Completed Depth:** 47.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m) to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m) to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):**
- **Open Hole:** from (m) to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Investigation
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

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<th>Bottom (m):</th>
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<tbody>
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<td>Seal Type:</td>
<td>from (m):</td>
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<table>
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<th>Thickness (mm):</th>
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<tbody>
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<th>Thickness (mm):</th>
<th>from (m):</th>
<th>to</th>
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</table>

<table>
<thead>
<tr>
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<th>from (m):</th>
<th>to</th>
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<table>
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<tr>
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<th>Model:</th>
<th>Intake (m):</th>
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<table>
<thead>
<tr>
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<th>Rate (lpm):</th>
<th>Time (minute):</th>
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<table>
<thead>
<tr>
<th>Rec'd intake (m):</th>
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### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):** SAR Nickel
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Depth Elevation

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>743.3</td>
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<td>9.1</td>
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<td>12.8</td>
<td>730.8</td>
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<td>14.0</td>
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<td>14.6</td>
<td>729.0</td>
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</tr>
<tr>
<td>15.5</td>
<td>728.1</td>
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<td>18.3</td>
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<td>25.0</td>
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</tbody>
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### Testing:
- **Electric Log:** Yes
- **Transmissivity:** m²/day
- **Gamma Log:** Yes
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- Type of Work: **Chemistry**
- Drilling Method: **Unknown**
- Well Use: **Domestic**
- Completed Depth: **48.8 (m)**
- NPWL (m): **Verified NPWL (m):**
- Abandonment:

**Casing:**
- Type:
  - Depth (m):
  - OD (mm):
  - Seal Type:
    - from (m):
    - to

**Liner:**
- Type:
  - OD (mm):
  - Top (m):
  - Perforated How:
    - from (m):
    - to
  - Size:

**Screen:**
- Material:
  - OD (mm):
    - from (m):
    - to
    - Size:

**Open Hole:**
- from (m):
- to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):

**Laboratory:**
- pH (pH unit): **COD**
- Cond. (µS/cm): **SAR**
- TDS: **TKN**
- Sodium: **Nitrate**
- Potassium: **Nitrite**
- Calcium: **TN**
- Magnesium: **TC**
- Carbonate: **DIC**
- Bicarbonate: **Arsenic**
- Alumina: **Barium**
- Sulphate: **Beryllium**
- Chloride: **Cadmium**
- Fluoride: **Chromium**
- Iron: **Cobalt**
- TOC: **Copper**
- Silicon: **Lead**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 08161**

- Well Owner: **Hedch, Allan**
- Drilling Contractor: **Unknown Driller**
- Elevation (AMSL) (m): **744**
- AEP: **367909**
- Licence No.: **744**
- Date Started: **9,468.69**
- Date Completed: **5,935,371.50**
- Northing: **5,935,371.50**

**Depth Elevation**

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<tr>
<th>(BGL) (m)</th>
<th>(AMSL) (m)</th>
<th>Lithologic Description</th>
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**Database:**
- Electric Log: No
- Gamma Log: No
- Aquifer Test: No
- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No

Printed on 2/20/98
**Well Number:** 08162

**Well Owner:** Alta Env #1322e  
**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 755  
**AEP:** 401700  
**Licence No.:** Easting: 12,469.28  
**Date Started:** Northing: 5,935.381.00
**Date Completed:** 12 Oct 74

---

### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation

### Lithologic Description

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<tr>
<th>Depth (m)</th>
<th>(m)</th>
<th>Lithology</th>
</tr>
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<tbody>
<tr>
<td>6.1</td>
<td>748.2</td>
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<td>10.1</td>
<td>745.2</td>
<td>Clay Loamy Dark Gray</td>
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<td>12.2</td>
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<td>16.1</td>
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<td>21.9</td>
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<td>Gravel</td>
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<td>24.4</td>
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<td>27.7</td>
<td>727.5</td>
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</tr>
<tr>
<td>29.0</td>
<td>726.3</td>
<td>Siltstone Black</td>
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</table>

### Casing:
- **Type:**  
- **Depth (m):**  
- **OD (mm):**  
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**
  - from (m): to

### Screen:
- **Material:**  
- **OD (mm):**
  - from (m): to
  - from (m): to

### Open Hole:
- **OD (mm):**
- **Thickness (mm):**
- **Perforated How:**
  - from (m): to
  - from (m): to
  - from (m): to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **bicarbonate:**  
- **Barium:**  
- **Aluminum:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**
  - **Material:**
  - **OD (mm):**
  - **Size:**

### Electric Log:
- **Yes**
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 70.1 m
- **Elevation (AMSL):** 735 m
- **Lithologic Description:**
  - 1.5: Silt Soft Greenish Yellow
  - 6.7: Clay Sandy Greenish Yellow
  - 31.1: Sandstone Dark Gray
  - 32.9: 701.8: Coal Hard
  - 36.9: 697.9: Siltstone Dark Gray
  - 38.1: 696.7: Siltstone & Coal
  - 44.2: 690.6: Shale & Coal Carbonaceous
  - 47.2: 687.5: Siltstone Compacted Dark Gray
  - 54.3: 680.5: Sandstone Fine Grained Dark Gr
  - 56.4: 678.4: Siltstone Brownish Gray
  - 61.0: 673.8: Shale Carbonaceous Black
  - 70.1: 664.7: Siltstone Dark Gray

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to 
  - Size:
  - from (m): to 
  - Size:

### Screen:
- **Material:**
- **OD (mm):** Thickness (mm): from (m): to 
  - Size:
  - from (m): to 
  - Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawer (m):
- **Rec'd Intake (m):**

### Testing:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H

### Electric Log:
- **Yes**
- **Gamma Log:**
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:** No
- **Database:** 1.000H

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **Nitrate:**
- **Sodium:**
- **Strontium:**
- **Potassium:**
- **Molybdenum:**
- **Calcium:**
- **Vanadium:**
- **Magnesium:**
- **Zinc:**
- **Carbonate:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Ion Balance:**
- **Fluoride:**
- **Amm. Nitrogen:**
- **Iron:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
SE 22-053-06 W5M

Well Owner: Dzus, G
Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

Well Number: 08164

Elevation (AMSL) (m): 731
AEP: 366258
Licence No.: Easting: 14,002.91
Date Started: 20 Aug 88 Northing: 5,935,325.00
Date Completed: 20 Aug 88

New Well
Rotary
Domestic
Clay Brown

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.7 727.5</td>
<td>Clay Brown</td>
<td></td>
</tr>
<tr>
<td>5.2 726.0</td>
<td>Clay Blue</td>
<td></td>
</tr>
<tr>
<td>7.9 723.3</td>
<td>Gravel Fine Grained</td>
<td></td>
</tr>
<tr>
<td>11.9 719.3</td>
<td>Clay Blue</td>
<td></td>
</tr>
<tr>
<td>12.2 719.0</td>
<td>Shale Soft Dark Gray</td>
<td></td>
</tr>
</tbody>
</table>

Casing:
Type: Galvanized Steel
Depth (m): 6.7
OD (mm): 114.3
Thickness (mm): 0.1
Seal Type: Driven
from (m): to 6.4

Liner:
Type:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m):
from (m):
from (m):

Screen:
Material: St
OD (mm): 7.5
from (m):
8.2
Size: 0.01
from (m):
from (m):

Open Hole:
from (m):

Pump:
Model:
Intake (m):
6.1

Testing:
Rate (lpm):
6.8
Time (minute):
420.0
Level End (m):
Drawdown (m):
Rec’d intake (m):
7.0
Rec’d Rate (lpm):
4.6

Laboratory:

<table>
<thead>
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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tbody>
<tr>
<td>pH (pH unit)</td>
</tr>
<tr>
<td>SAR</td>
</tr>
<tr>
<td>TDS</td>
</tr>
<tr>
<td>Sodium Nitrite</td>
</tr>
<tr>
<td>Potassium Calcium</td>
</tr>
<tr>
<td>Magnesium Magnesium</td>
</tr>
<tr>
<td>Carbonate DIC</td>
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<tr>
<td>Bicarbonate Arsenic</td>
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<tr>
<td>Aluminum Barium</td>
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<tr>
<td>Sulphate Beryllium</td>
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<tr>
<td>Chloride Cadmium</td>
</tr>
<tr>
<td>Fluoride Chromium</td>
</tr>
<tr>
<td>Iron Cobalt</td>
</tr>
<tr>
<td>TOC Copper</td>
</tr>
<tr>
<td>ORC Lead</td>
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</tbody>
</table>

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 9.1 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:

- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:** Intake (m):

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

### Electric Log:

- **No Transmissivity:** m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

---

**Well Number 08165**

- **Well Owner:** Baldock, John
- **Elevation (AMSL) (m):** 728
- **AEP:** 361725
- **Date Started:**
- **Date Completed:**
- **Easting:** 14,684.25
- **Northing:** 5,935,839.00
- **Printed on:** 2/20/98
**NW 23-053-06 W5M**

**Well Owner:** Birzgalis, John  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>BGL (m)</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>(m)</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td>Type: Plastic</td>
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<tr>
<td>Completed Depth: 24.1 (m)</td>
<td>Depth (m): 9.1</td>
</tr>
<tr>
<td>NPWL (m): 7.6</td>
<td>OD (mm): 152.4</td>
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<tr>
<td>Abandonment:</td>
<td>Seal Type: Formation Packer</td>
</tr>
<tr>
<td></td>
<td>from (m): to 9.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liner:</th>
<th>linen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Plastic</td>
</tr>
<tr>
<td>OD (mm): 127.0</td>
<td>Thickness (mm): 0.1</td>
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<tr>
<td>Top (m): 6.1</td>
<td>Bottom (m): 23.2</td>
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<tr>
<td>Perforated How: Machine</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): 9.1</td>
<td>to 23.2</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<table>
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<tr>
<th>Screen:</th>
<th>Open Hole:</th>
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<tbody>
<tr>
<td>Material:</td>
<td>from (m): to</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<table>
<thead>
<tr>
<th>Pump:</th>
<th>Testing:</th>
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</thead>
<tbody>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
</tr>
<tr>
<td>Rate (lpm): 16.0</td>
<td>Time (minute): 420.0</td>
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<tr>
<td>Level End (m): 9.1</td>
<td>Drawdown (m): 1.5</td>
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<tr>
<td>Rec'd intake (m):</td>
<td>Rec'd Rate (lpm):</td>
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</tbody>
</table>

**Laboratory:**

- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Barium
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- silica

- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead

- Mercury
- Nickel
- Selenium
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite
- Lead
- Nitrate
- Nitrite

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Well Number:** 08166  
**Elevation (AMSL) (m):** 728  
**AEP:** 357887  
**Licence No.:** Easting: 14,684.25  
**Date Started:** 16 May 91  
**Northing:** 5,935,839.00  
**Date Completed:** 16 May 91

**Drillers:**

- Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 9.1 m (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Electric Log:
- Transmissivity: m³/day
- Storativity:

### Gamma Log:
- Aquifer Test: No
- Project: Database: 1.000H

### AEP Data:
- Yes Well Field Verified: No
### General:
- **Well Number:** NW 23-053-06 W5M
- **Well Owner:** Vanderleest, John
- **Drilling Contractor:** Morrill's Water Well Drilling Ltd.
- **Elevation (AMSL) (m):** 728
- **AEP:** 354830
- **Licence No.:** Bound 0214
- **Date Started:** 17 Sep 90
- **Date Completed:** 18 Sep 90
- **Easting:** 14,684.25
- **Northing:** 5,935,839.00

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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td>4.3</td>
<td>723.6</td>
<td>Clay &amp; Rocks</td>
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<tr>
<td>11.9</td>
<td>716.0</td>
<td>Clay Gray</td>
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<td>14.0</td>
<td>713.9</td>
<td>Coal Fractured</td>
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<td>15.5</td>
<td>712.3</td>
<td>Coal</td>
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<tr>
<td>18.9</td>
<td>709.0</td>
<td>Shale Soft Gray</td>
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<tr>
<td>22.6</td>
<td>705.3</td>
<td>Coal</td>
</tr>
<tr>
<td>26.2</td>
<td>701.7</td>
<td>Shale Sandy Gray</td>
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<tr>
<td>32.0</td>
<td>695.9</td>
<td>Coal</td>
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<td>36.3</td>
<td>691.6</td>
<td>Shale Sandy Gray</td>
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<td>39.0</td>
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<td>Sand Gray</td>
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<td>41.2</td>
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<td>629.1</td>
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<td>107.9</td>
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<td>115.2</td>
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<td>117.7</td>
<td>610.2</td>
<td>Shale Gray</td>
</tr>
</tbody>
</table>

- **Well Use:** Domestic
- **Well Type:** New Well
- **Drilling Method:** Rotary

### Casing:
- **Type:** Steel
- **Depth (m):** 17.7
- **Bottom (m):** 17.7
- **OD (mm):** 177.8
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 17.7

### Liner:
- **Type:** Driven
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Top (m):** 4.0
- **Bottom (m):** 117.7

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Gauds
- **Intake (m):**
- **Rate (lpm):** 4.6
- **Time (minute):** 360.0
- **Level End (m):** 73.2
- **Drawdown (m):** 65.5
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Barium:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Copper:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Mercury:**
- **Nickel:**
- **Selenium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Total Alkalinity:**
- **Nitrate & Nitrite:**
- **Amm. Nitrogen:**
- **Total Alkalinity:**

### Testing:
- **Electric Log:** No
- **Gamma Log:** No
- **Aquifer Test:** No
- **Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL (m):** 4.3
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 13.7
- **Bottom (m):** 13.7
- **OD (mm):** 152.4
- ** Thickness (mm):** 0.1
- **Seal Type:** Bentonite Chips/Tabl
- **from (m):** to 13.7

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 9.1
- **Bottom (m):** 45.7
- **Perforated How:** Saw
- **from (m):** 18.3 to 45.7
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 41.2

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 120.0
- **Level End (m):** 41.2
- **Drawdown (m):** 36.9
- **Rec’d intake (m):** 42.7
- **Rec’d Rate (lpm):** 13.7

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 08169**

**Elevation (AMSL) (m):** 743
- **AEP:** 443290
- **Licence No.:**
- **Easting:** 14,697.32
- **Date Started:** 15 Aug 94
- **Northing:** 5,935,012.00
- **Date Completed:** 16 Aug 94

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**
- **3.1 739.5 Clay**
- **3.7 738.9 Clay Silty**
- **4.0 738.6 Sand**
- **7.9 734.7 Clay**
- **11.0 731.6 Coal**
- **12.2 730.4 Shale Gray**
- **16.8 725.8 Shale Brown**
- **18.3 724.3 Coal**
- **21.9 720.7 Shale**
- **33.5 709.1 Shale**
- **34.8 707.8 Coal**
- **45.7 696.9 Shale & Coal Mixed**

**Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number:** 08170

**Elevation (AMSL) (m):** 743

**AEP:** 414876

**Licence No.:**

**Easting:** 14,697.32

**Date Started:** 27 Mar 95

**Northing:** 5,935,012.00

**Date Completed:** 31 Mar 95

---

### General
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 103.6 (m)
**NPWL (m):** 9
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 38.1
- **Bottom (m):** 38.1
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1

**Seal Type:** Shale Trap & Bentonite
- **from (m):** 33.5 to 38.1

---

### Liner
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1

**Top (m):** 36.6
**Bottom (m):** 103.6

**Perforated How:** Machine
- **from (m):** 91.4 to 103.6
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Gould 5g07422
- **Intake (m):** 91.4

**Testing:**
- **Rate (lpm):** 6.8
- **Time (minute):** 120.0
- **Level End (m):** 91.4
- **Drawdown (m):** 90.5
- **Rec'd intake (m):** 91.4
- **Rec'd Rate (lpm):** 4.6

---

### Laboratory
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Potassium:**
- **Nitrite:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Beryllium:**
- **Sulphide:**
- **Cadmium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**
- **Nitrates:**
- **Sulphate:**
- **Iron:**
- **Cobalt:**
- **TOC:**
- **Copper:**
- **Silica:**
- **Lead:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**

**Aquifer Test:** No

**Project:**
**Database:** 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 08171

**Drilling Contractor:** D&D Water Well Drilling & Services

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<tr>
<th>Well Owner:</th>
<th>Tetreault, Therese</th>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>Easting: 14,510.23</td>
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<tr>
<td>Date Started:</td>
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</tr>
<tr>
<td>Date Completed:</td>
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### General:

- **Type of Work:** Test Hole-Abandoned
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 111.3 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Bentonite Product 07 Jul 95

### Casing:

- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - from (m): to

### Liner:

- **Type:**
  - OD (mm):
  - Top (m):
  - Perforated How:
  - from (m): to Size:

### Screen:

- **Material:**
  - OD (mm):
  - from (m): to Size:

### Open Hole:

- from (m): to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>TDS</td>
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<tr>
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**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<tr>
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<td>735.0</td>
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<td>38.1</td>
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<td>Shale &amp; Coal Brown</td>
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<td>59.1</td>
<td>680.7</td>
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<td>62.8</td>
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<td>75.0</td>
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<tr>
<td>111.3</td>
<td>628.6</td>
<td>Shale Gray</td>
</tr>
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</table>

- Electric Log: No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 122.8 (m)
- **NPWL (m):** 10.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 33.2
- **Bottom (m):** 33.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 33.2

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 31.7
- **Bottom (m):** 122.8
- **Perforated How:** Saw
- **from (m):** 76.2
- **to:** 121.9
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 122.8
- **Rate (lpm):** 11.4
- **Time (minute):** 120.0
- **Level End (m):** 93.9
- **Drawdown (m):** 83.2
- **Rec'd intake (m):** 94.5
- **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

"Water Well Positioned by PFRA in 10TM NAD 27"

**Depth Elevation (BGL) (AMSL):**

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<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.3</td>
<td>738.3</td>
<td>Clay Yellow</td>
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<td>11.0</td>
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<tr>
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<td>621.3</td>
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<tr>
<td>122.8</td>
<td>619.8</td>
<td>Shale Green</td>
</tr>
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</table>

**Electric Log:** No  **Transmissivity:** m³/day  **Gamma Log:** No  **Storativity:**

**Aquifer Test:** No  **Project:** 1.000H  **AEP Data:** Yes  **Database:** 1.000H  **Well Field Verified:** No
## General:
- **Well Owner:** Zaiser, Norbert
- **Drilling Contractor:** Unknown Driller
- **Well Use:** Domestic
- **Completed Depth:** 3.7 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
  - Top (m): Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

## Open Hole:
- from (m): to

## Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

## Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Selenium:**
- **Potassium:** Nitrite
- **Molybdenum:**
- **Calcium:** TN
- **Vanadium:**
- **Magnesium:** TC
- **Zinc:**
- **Carbonate:** DIC
- **Natural Log:** Hydroxide
- **Bicarbonate:** Arsenic
- **Total Hardness:**
- **Barium:** Manganese
- **Chloride:** Beryllium
- **Phosphate:**
- **Fluoride:** Cadmium
- **Amm. Nitrogen:**
- **Iron:** Cobalt
- **Iron:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:**
- **Silica:** Lead
- **Nitrate&Nitrite N:**

## Testing:
- **Rec’d Rate (lpm):** Transmissivity: m²/day
- **Rec’d intake (m):** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:**

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on 2/20/98
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<thead>
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<tr>
<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
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<tr>
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<tr>
<td>pH (pH unit)</td>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Well Number: 08175

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<td>Date Started: Northing: 5,937,600.50</td>
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<td>Date Completed: 11 Oct 74</td>
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### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 19.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

### Open Hole:
- **OD (mm):** from (m): to

### Pump:
- **Model:** Intake (m):
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Yes** Transmissivity: m²/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Depth Elevation (BGL) (AMSL) Lithologic Description

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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Description</th>
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<tbody>
<tr>
<td>3.1</td>
<td>756.3</td>
<td>Sand &amp; Gravel Clayey</td>
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<td>6.1</td>
<td>753.3</td>
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<td>10.7</td>
<td>748.7</td>
<td>Shale &amp; Siltstone Black</td>
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<td>12.2</td>
<td>747.2</td>
<td>Siltstone Compacted Greenish G</td>
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<tr>
<td>18.3</td>
<td>741.1</td>
<td>Coal</td>
</tr>
<tr>
<td>19.8</td>
<td>739.6</td>
<td>Siltstone Compacted Dark Gray</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 23.8 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Open Hole:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**

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<td>(No Lithologic Information Available)</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
### NE 25-053-06 W5M

**Well Number:** 08177  
**Well Owner:** Spizmacher, Erwin  
**Drilling Contractor:** Blakeman’S, Norm Drilling Ltd.  
**Elevation (AMSL) (m):** 736  
**AEP:** 369406  
**Licence No.:**  17,205.78  
**Date Started:** 18 May 93  
**Easting:** 5,936,087.50  
**Date Completed:** 19 May 93

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<tbody>
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<tr>
<td>Depth (m): 18.3</td>
<td>Bottom (m): 18.3</td>
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<tr>
<td>OD (mm): 114.3</td>
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<tr>
<td>Seal Type: Driven</td>
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</tr>
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<td>from (m): to 18.0</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Type:</td>
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<tr>
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<td>to 23.8</td>
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<td>to</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
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<td>Model:</td>
<td>Intake (m): 18.3</td>
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<td>Rec’d intake (m): 17.7</td>
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<td>Cond. (µS/cm):</td>
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<td>TDS</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
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<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<tr>
<td>Electric Log: No</td>
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<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 25-053-06 W5M**

**Well Number:** 08178

**Well Owner:** Brooks, Jack

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 729

**AEP:** 360351

**Licence No.:** Easting: 16,171.40

**Date Started:** 19 Jul 91

**Date Completed:** 25 Jul 91

**Date Printed:** 2/20/98

### General:
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic

**Completed Depth:** 42.7 (m)
**NPWL (m):** 3.7

**Abandonment:**

**Casing:**
- **Type:** Steel
  - **Depth (m):** 29.3
  - **Bottom (m):** 29.3
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 29.3

**Liner:**
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 27.4
- **Bottom (m):** 42.7

**Perforated How:** Torch
  - **from (m):** 36.6 to 42.7
  - **Size:** to

**Screen:**
- **Material:**
  - **OD (mm):**
    - **from (m):** to
    - **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** 7g05
- **Intake (m):** 40.5

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0

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**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**NW 25-053-06 W5M**

**Well Number:** 08179

**Well Owner:** Emes, Doug/Gail

**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 729

**AEP:** 379702

**Licence No.:**

**Date Started:** 18 May 94

**Date Completed:** 18 May 94

**Nortthing:** 5,937,796.00

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<th>General</th>
<th>Depth</th>
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<td>(m)</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<td></td>
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<td>Well Use: Domestic</td>
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<td></td>
<td>4.0 724.9</td>
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<td>Completed Depth 29.3 (m)</td>
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<td>7.3 721.6 Shale Brittle Gray</td>
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<td>9.8 719.2 Sandstone</td>
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<td>27.7 701.2 Sandstone &amp; Coal</td>
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<td>Drawdown (m):</td>
<td>Rec'd intake (m):</td>
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**Laboratory:**

| pH (pH unit) | COD |
| Cond. (µS/cm) | SAR |
| TDS | TKN |
| Sodium | Nitrate |
| Potassium | Nitrite |
| Calcium | TN |
| Magnesium | TC |
| Carbonate | DIC |
| Bicarbonate | Arsenic |
| Aluminum | Barium |
| Sulphate | Beryllium |
| Chloride | Cadmium |
| Fluoride | Chromium |
| Iron | Cobalt |
| TOC | Copper |
| TOC | Total Alkalinity |
| TOC | Lead |
| TOC | Nitrate & Nitrite |

| Chemical Constituents are in mg/l (ppm). Except as noted. |
| Electric Log: No | Transmissivity: m²/day |
| Gamma Log: No | Storativity: |
| Aquifer Test: No | Project: Database: 1.000H |
| AEP Data: Yes | Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 25-053-06 W5M**

**Well Owner:** Garneau, Marcel  
**Drilling Contractor:** Blakeman’S, Norm Drilling Ltd.

**Well Number:** 08180  
**Elevation (AMSL) (m):** 729  
**AEP:** 379124  
**Licence No.:** 25-053-06 W5M  
**Date Started:** 20 Sep 93  
**Easting:** 16,189.56  
**Northing:** 5,937,663.00  
**Date Completed:** 20 Sep 93

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 39.3 (m)  
- **NPWL (m):** 3.7  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Galvanized Steel  
- **Depth (m):** 24.4  
- **Bottom (m):** 24.4  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 24.1  

**Liner:**  
- **Type:**  
- **OD (mm):** 88.9  
- **Thickness (mm):** 0.1  
- **Top (m):** 24.1  
- **Bottom (m):** 38.4  
- **Perforated How:** Saw  
- **from (m):** to 37.8  
- **Size:**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Open Hole:**  
- **from (m):** to  

**Pump:** Sub  
- **Model:**  
- **Intake (m):** 24.4  

**Testing:**  
- **Rate (lpm):** 22.8  
- **Time (minute):** 120.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):** 22.9  
- **Rec’d Rate (lpm):** 22.8

**Laboratory:**  
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **Nitrates:**  
- **TKN:**  
- **Selenium:**  
- **Sodium:**  
- **Strontium:**  
- **Potassium:**  
- **Vanadium:**  
- **Magnesium:**  
- **Zinc:**  
- **Calcium:**  
- **Hydroxide:**  
- **Carbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate & Nitrite N:**  

**Remarks:**  
Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**  
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<td>16.5</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 25-053-06 W5M**

**Well Owner:** Honzuk, Bill  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 728  
**AEP:** 367344  
**Licence No.:**  
**Date Started:**  
**Date Completed:**

**Well Number:** 08181

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<tr>
<td><strong>NPWL (m):</strong></td>
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<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted:</strong></td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
NW 25-053-06 W5M

Well Owner: Kempf, Al
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 728
AEP: 361726
Licence No.: Rajasthan
Date Started: 20/02/98
Date Completed:

Well Number 08182
Easting: 16,149.62
Northing: 5,937,527.00

General:
Type of Work: Chemistry
Well Use: Domestic
Completed Depth: 24.4 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS: TKN Selenium
Sodium: Nitrate Strontium
Potassium: Nitrite Molybdenum
Calcium: TN Vanadium
Magnesium: TC Zinc
Carbonate: DIC Hydroxide
Bicarbonate: Arsenic Total Hardness
Aluminum: Barium Manganese
Sulphate: Beryllium Phosphate
Chloride: Cadmium Ion Balance
Fluoride: Chromium Amm. Nitrogen
Iron: Cobalt Total Phosphate
TOC: Copper Total Alkalinity
Silica: Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm), Except as noted.
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<td>Water Well Positioned by PFRA in 10TM NAD 27</td>
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Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.
SE 25-053-06 W5M

Well Owner: Dostie, Denis
Drilling Contractor: Unknown Driller

Well Number 08184

Elevation (AMSL) (m): 766
AEP: 364825
Licence No.: 16844.22
Date Started: Northing: 5936361.00
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm) Except as noted.
**SE 25-053-06 W5M**

**Well Number:** 08185

**Well Owner:** Jorgensen, Steen

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 750

**AEP:** 356934

**Date Started:**

**Easting:** 16,776.70

**Northing:** 5,937,224.00

**Date Completed:**

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<td><strong>(m)</strong></td>
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**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
SE 25-053-06 W5M

Well Owner: Yurkewich, E
Drilling Contractor: Blakeman’S, Norm Drilling Ltd.

Elevation (AMSL) (m): 766
AEP: 352831
Licence No.: 25-053-06
Easting: 16,844.22
Date Started: 01 Aug 90
Northing: 5,936,961.00
Date Completed: 08 Aug 90

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 32.0 (m)
NPWL (m): 20.1 Verified NPWL (m):
Abandonment:
Casing:
Type: Galvanized Steel
Depth (m): 25.3 Bottom (m): 25.3
OD (mm): 114.3 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 24.7
Liner:
Type:
OD (mm): 88.9 Thickness (mm): 0.1
Top (m): 24.7 Bottom (m): 32.0
Perforated How: Other
from (m): to 31.4 Size:
from (m): to Size:
from (m): to Size:
Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump: Sub
Model: Intake (m): 24.7
Testing:
Rate (lpm): 31.9 Time (minute): 120.0
Level End (m): 24.1 Drawdown (m): 4.0
Rec’d intake (m): 24.1 Rec’d Rate (lpm): 27.4

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Lead
- mercury
- Nickel
- Selenium
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate & Nitrite
- Lead
- Nitrate & Nitrite
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Transmissivity:
Gamma Log:
Storativity:
Aquifer Test:
Project:
AEP Data: Yes
Well Field Verified: No

Database: 1.000H

Chemical Constituents are in mg/l (ppm). Except as noted.
**SW 25-053-06 W5M**

**Well Owner:** Stahl, Peter/Don  
**Drilling Contractor:** Rodco Drilling

**Elevation (AMSL) (m):** 730  
**AEP:** 368577  
**Licence No.:** Easting: 16,128.94  
**Date Started:** 10 Aug 92  
**Northing:** 5,936,685.50  
**Date Completed:** 11 Aug 92

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

### Completion:
- **Completed Depth:** 39.6 (m)  
- **NPWL (m):** 3.1  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Plastic  
- **Depth (m):** 23.8  
- **Bottom (m):** 23.8  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 23.8

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 21.3  
- **Bottom (m):** 38.4  
- **Perforated How:** Machine  
- **from (m):** 32.3 to 38.4  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  

### Open Hole:
- **Model:**    

### Pump:
- **Model:**    
- **Intake (m):** 33.5

### Testing:
- **Rate (lpm):** 18.2  
- **Time (minute):** 120.0  
- **Level End (m):** 18.3  
- **Drawdown (m):** 15.2  
- **Rec'd Rate (lpm):** 33.5  
- **Rec'd intake (m):** 18.2

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Nitrate:**  
- **Sodium:**  
- **Nitrite:**  
- **Potassium:**  
- **Nitrate:**  
- **Magnesium:**  
- **Selenium:**  
- **Calcium:**  
- **TC:**  
- **Magnesium:**  
- **DIC:**  
- **Bicarbonate:**  
- **Strontium:**  
- **Aluminum:**  
- **Molybdenum:**  
- **Barium:**  
- **Vanadium:**  
- **Sulphate:**  
- **Zinc:**  
- **Chloride:**  
- **Beryllium:**  
- **Fluoride:**  
- **Cadmium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Copper:**  
- **TOC:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Bicarbonate:**  
- **Lead:**  
- **Fluoride:**  
- **Copper:**  
- **Manganese:**  
- **Iron:**  
- **Total Phosphate:**  
- **TOC:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Fluoride:**  
- **Copper:**  
- **Manganese:**  

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** No  
- **Storativity:**

### Aquifer Test:
- **No**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*

*printed on 2/20/98*
### General:
- **Type of Work:** Test Hole
- **Well Use:** Investigation
- **Completed Depth:** 36.0 m (m)  
  NPWL (m): Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **Thickness (mm):** from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- Yes Transmissivity: m³/day

### Gamma Log:
- Yes Storativity:

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### AEP Data:
- Yes Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Not Applicable
- **Well Use:** Industrial
- **Completed Depth:** 18.0 (m)
- **NPWL:** (m)
- **Verified NPWL:** (m)
- **Abandonment:** Cement 26 Mar 90

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<td>Total Phosphate</td>
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<td><strong>Silica:</strong></td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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<tr>
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<tr>
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<tr>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.3 m
- **NPWL (m):** 30.5
- **Verified NPWL:**
- **Abandonment:**
  - **Casing:**
    - **Type:** Steel
    - **Depth (m):** 42.1
    - **Bottom (m):** 42.1
    - **OD (mm):** 114.3
    - **Thickness (mm):** 0.1
  - **Liner:**
    - **Type:** Driven
    - **OD (mm):** 88.9
    - **Thickness (mm):** 0.0
    - **Top (m):** 41.8
    - **Bottom (m):** 68.3
    - **Perforated How:** Saw
      - **from (m):** 42.4
      - **to:** 67.1
      - **Size:**
      - **from (m):**
      - **to:**
      - **Size:**
      - **from (m):**
      - **to:**
      - **Size:**
  - **Screen:**
    - **Material:**
      - **OD (mm):**
        - **from (m):**
        - **to:**
        - **Size:**
        - **from (m):**
        - **to:**
        - **Size:**
    - **Open Hole:**
      - **from (m):**
      - **to:**
    - **Pump:**
      - **Model:**
      - **Intake (m):** 41.5
      - **Test:**
        - **Rate (lpm):** 22.8
        - **Time (minute):** 120.0
        - **Level End (m):** 11.0
        - **Rec'd intake (m):** 41.5
        - **Rec'd Rate (lpm):**

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## Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

## Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number: 08203**  
**Elevation (AMSL) (m):** 772  
**AEP:** 365607  
**Date Started:** 27 Jul 92  
**Easting:** 3,705.37  
**Licence No.:** Easting: 5,930,220.50  
**Date Completed:** 27 Jul 92  
**Northing:**

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 57.9 (m)  
- **NPWL (m):** 30.5  
- **Verified NPWL (m):**

### Abandonment:
- **Type:** Steel  
- **Depth (m):** 44.8  
- **Bottom (m):** 44.8  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 45.1

### Liner:
- **Type:**  
  - OD (mm): 114.3  
  - Thickness (mm): 0.1  
  - Top (m): 16.5  
  - Bottom (m): 57.0  
- **Perforated How:** Machine  
  - from (m): 50.3 to 57.0

### Screen:
- **Material:**  
  - OD (mm): from (m): to
  - from (m): to

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 42.7

### Testing:
- **Rate (lpm):** 91.2  
- **Time (minute):** 120.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 12.2  
- **Rec'd intake (m):** 42.7  
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Selenium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 17.1 m
- **NPWL (m):** Verified NPWL (m): 
- **Abandonment:**
- **Type:** 
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to 
- **Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:
- **Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:
- **Open Hole:**
- **from (m):** to 
- **Pump:**
- **Model:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Lithologic Description
- **7.9 776.3 Clay Soft Dark Gray**
- **17.1 767.1 Shale & Siltstone Greenish Gr**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Yes** Transmissivity: m³/day
- **Gamma Log:** No Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Drilled
- **Well Use:** Investigation
- **Completed Depth:** 15.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
  - **Perforated How:** from (m): to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrate Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hyroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log: Yes  Transmissivity: m³/day
### Gamma Log: No  Storativity:  
### Aquifer Test: No  
### Project: Database: 1.000H
### AEP Data: Yes  Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 08207

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Drilling Contractor: Water Resources

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**General:**
- Type of Work: Test Hole
- Drilling Method: Unknown
- Well Use: Investigation
- Completed Depth: 17.4 (m)
- NPWL (m): 1.8 Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Steel
- Depth (m): 13.1 Bottom (m): 13.1
- OD (mm): 152.4 Thickness (mm):
- Seal Type:
- from (m): to
- Liner:
- Type:
- OD (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: St
- OD (mm):
- from (m): 13.1 to 15.9 Size: 0.02
- Open Hole:
- from (m): to
- Pump:
- Model:
- Intake (m):
- Testing:
- Rate (lpm): 127.7 Time (minute): 12000.0
- Level End (m): 1.8 Drawdown (m): 2.7
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Barium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Strontium
- Molybdenum
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrite
- Vanadium
- Calcium
- Magnesium
- Zinc
- Potassium
- Sodium
- Molybdenum
- Copper
- Lead
- Barium
- Sulphate
- Chloride
- Nitrate
- Nitrite
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** AEP Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number:** 08208

**Well Owner:** Alta Env Obs #1

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 747

**AEP:** 443209

**Date Started:**

**Date Completed:**

**Licence No.:** Easting: 6,393.53

**Northing:** 5,933.536.40

---

### General

- **Type of Work:** Other
- **Drilling Method:** Unknown
- **Well Use:** Investigation
- **Completed Depth:** 17.7 (m)
- **NPWL (m):** 1.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole

- **from (m):** to

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):**
- **Time (minute):** 10080.0
- **Level End (m):**
- **Drawdown (m):** 0.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Chemical Constituents

- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TC:** Vanadium
- **DIC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Total Hardness
- **Aluminium:** Manganese
- **Sulphate:** Phosphate
- **Chloride:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Total Phosphate
- **TOC:** Total Alkalinity
- **Silica:** Nitrate&Nitrite N

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

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chemical constituents are in mg/l (ppm). except as noted.

**AEP Data:** Yes

**Well Field Verified:** No

---

**Project:** 1.000H

**Aquifer Test:** No

**Gamma Log:** No

**Storativity:**

**Electric Log:** No

**Transmissivity:** m²/day

---

**print on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 63.4 m
- **NPWL:** 36.6 m
- **Verified NPWL:**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 37.5
- **Bottom (m):** 37.5
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 37.5

### Liner:
- **Type:** Plastic
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 36.6
- **Bottom (m):** 63.4
- **Perforated How:** Machine
- **from (m):** 57.3 to 63.4
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** Plastic
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 51.8

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):** 51.8
- **Drawdown (m):** 15.2
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Nitrate:**
- **Beryllium:**
- **Carbonate:**
- **Barium:**
- **Sulfate:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **Total Hardness:**
- **Vanadium:**
- **Selenium:**
- **Total Phosphate:**
- **Zinc:**
- **Copper:**
- **Phosphorus:**
- **Sodium:**
- **Magnesium:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Chloride:**
- **Fluoride:**
- **Calcium:**
- **Total Hardness:**
- **Iron:**
- **Copper:**
- **Phosphorus:**
- **Sodium:**
- **Magnesium:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**

### Depth Elevation (BGL) (AMSL) (m)

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### Lithologic Description

- Clay Brown
- Clay Sandy Gray
- Clay Gray
- Shale Green
- Shale Gray
- Shale & Sandstone Fractured
- Shale Gray
- Sandstone Fine Grained Gray
- Shale Green
- Shale Gray
- Shale Sandy
- Shale Sandy Gray
- Sand Gray
- Sandstone Gray
- Sand Coarse Grained Gray

### Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 08210**

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<tr>
<td>from (m):</td>
<td>to</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*

printed on 2/20/98
**General:**
- **Well Owner:** Alta Transp #86-1
- **Drilling Contractor:** Big Quill Drilling Ltd.
- **Elevation (AMSL) (m):** 766
- **AEP:** 376372
- **Date Started:** 11 Dec 86
- **Noting:** 5,935,525.50
- **Date Completed:** 12 Dec 86

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<td><strong>Water Well Positioned by PFRA in 10TM NAD 27</strong></td>
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Remarks:

**Water Well Positioned by PFRA in 10TM NAD 27**

printed on 2/20/98
**NE 21-053-07 W5M**

**Well Owner:** Darleyson, B.

**Drilling Contractor:** Scott, H.A. Drilling

**Well Number:** 08214

**Elevation (AMSL) (m):** 781

**AEP:** 394130

**Licence No.:** Easting: 2,144.98

**Date Started:** 01 Jun 81

**Noth:ing:** 5,936,245.50

**Date Completed:** 01 Jun 81

---

**General:**

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 21.0 (m)
- **NPWL (m):** 13.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 19.2
- **Bottom (m):** 19.2
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 19.2

**Liner:**

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:**
- **Intake (m):** 13.7

**Testing:**

- **Rate (lpm):** 36.5
- **Time (minute):** 600.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes Well Field Verified: No
**NW 21-053-07 W5M**

**Well Number:** 08215

**Well Owner:** Horst, Allen

**Drilling Contractor:** Midwest Drilling Ltd.

**Elevation (AMSL) (m):** 780

**AEP:** 377518

**Licence No.:**

**Date Started:** 08 Nov 95

**Easting:** 1,628.18

**Date Completed:** 08 Nov 95

**Northing:** 5,935,970.50

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 24.4 (m)
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 17.7
- **Bottom (m):** 17.7
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 17.1
to **17.4**

### Liner:

- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 15.2
- **Bottom (m):** 24.4
- **Perforated How:** Hand Drill
- **from (m):** 18.3
to **24.4**
- **Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):**
to **Size:**

### Open Hole:

- **from (m):**
to

### Pump:

- **Model:**
- **Intake (m):** 19.8

### Testing:

- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 45.6

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### Lithologic Description

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<td>Sandstone Gray</td>
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<tr>
<td>24.4</td>
<td>Shale Gray</td>
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</table>

### Water Well Positioned by PFRA in 10TM NAD 27

### Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Electric Log:** No

**Transmissivity:** m³/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:**

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**NW 21-053-07 W5M**

Well Owner: Papineau, Carol/Nevis
Drilling Contractor: Midwest Water Well Ltd.

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 21.3 m
- **NPWL (m):** 6.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** 17.7
- **to:** 18.3

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 15.2
- **Bottom (m):** 21.3

### Perforated How:
- **from (m):** 18.3
- **to:** 21.3
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 91.2
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):** 13.7
- **Rec’d intake (m):** 18.3
- **Rec’d Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Yes**
- **Well Field Verified:** No

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation
- **Completed Depth:** 29.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminium:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite

### Electric Log: Yes  Transmissivity: m³/day
- **Gamma Log: No  Storativity:**
- **Aquifer Test: No**
- **Project: Database: 1.000H**
- **AEP Data: Yes  Well Field Verified: No**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
SE 22-053-07 W5M

Well Owner: Wellman, Bruce
Drilling Contractor: Big Iron Drilling Ltd.

Elevation (AMSL) (m): 788
Licence No.: 368578
Date Started: 18 Jan 93
Date Completed: 24 Jan 93

Depth Elevation (BGL) (AMSL)

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<th>(m)</th>
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<td>782.9</td>
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<td>11.6</td>
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<td>15.9</td>
<td>772.0</td>
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<tr>
<td>23.8</td>
<td>764.1</td>
<td>Sand &amp; Gravel</td>
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<td>27.1</td>
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<td>Clay &amp; Gravel</td>
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<td>31.4</td>
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<td>36.6</td>
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<td>68.3</td>
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</tr>
<tr>
<td>76.2</td>
<td>711.6</td>
<td>Sandstone Water Bearing</td>
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General:
Type of Work: New Well
Drilling Method: Cable Tool
Well Use: Stock
Completed Depth: 76.2 (m)
NPWL (m): 44.5
Abandonment:
Casing:
Type: Steel
Depth (m): 47.6 Bottom (m): 47.6
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 47.6
Liner:
Type: Steel
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 45.7 Bottom (m): 76.2
Perforated How: Torch
from (m): 68.6 to 73.2 Size:
from (m): to Size:
Screen:
Material: Steel
OD (mm):
from (m): to Size:
from (m): to Size:
Open Hole:
from (m): to
Pump: Sub
Model: 5g05412 Intake (m): 76.2
Testing:
Rate (lpm): 36.5 Time (minute): 420.0
Level End (m): 61.0 Drawdown (m): 16.5
Rec’d intake (m): 67.1 Rec’d Rate (lpm): 22.8

Laboratory:
pH (pH unit): COD Mercury
Cond. (µS/cm): SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

printed on 2/20/98
**SE 23-053-07 W5M**

**Well Number: 08219**

**Well Owner:** Sawatzky, Henry

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 784  
**AEP:** 360352  
**Licence No.:** Easting: 5,366.42  
**Date Started:** Nording: 5,935,180.00  
**Date Completed:** 15 Oct 91  
**16 Oct 91**

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**Laboratory:**

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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**printed on 2/20/98**
### General:

- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation

#### Casing:

- **Type:**
  - Depth (m):
  - OD (mm): Thickness (mm):
  - Seal Type: from (m): to
- **Liner:**
  - Type:
    - OD (mm): Thickness (mm):
    - Top (m): Bottom (m):
  - Perforated How: from (m): to Size: from (m): to Size: from (m): to Size:

#### Screen:

- **Material:**
  - OD (mm): from (m): to Size:
  - from (m): to Size:

#### Open Hole:

- from (m): to

### Laboratory:

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### Electric Log:

- Transmissivity: m³/day

### Gamma Log:

- Storativity: 

### Aquifer Test:

- Permeability:

### Pump:

- Model: Intake (m):

### Testing:

- Rate (lpm):
- Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27

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<td>24.4</td>
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<td>Shale &amp; Siltstone Hard Light G</td>
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Chemical Constituents are in mg/l (ppm) Except as noted.

### Well Field Verified:

- AEP Data: Yes
- Database: 1.000H
- Project: 

- Electric Log: Yes
- Gamma Log: Yes
- Aquifer Test: No
- Rec'd intake: 
- Rec'd Rate: 
- Pump: 
- Testing: 
- Laboratory:

---

**Well Number: 08220**

- **Elevation (AMSL) (m):** 771
- **AEP:** 411504
- **Licence No.:** 6,093.21
- **Date Started:** 15 Oct 74
- **Northing:** 5,936,456.00
- **Date Completed:** 15 Oct 74

---

**Remarks:***
**04-24-053-07 W5M**

**Well Number:** 08221

**Well Owner:** #1330e

**Drilling Contractor:** Alberta Environment

**Elevation (AMSL) (m):** 770

**AEP:** 411499

**Licence No.:** 6,161.86

**Date Started:** 17 Oct 74

**Norting:** 5,935,304.50

**Date Completed:** 17 Oct 74

### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation

### Completed Depth:
- **Type:** 21.9 (m)
- **NPWL (m):** 21.9 (m)
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**
- **Thickness (mm):**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrates:**
- **Selenium:**
- **Molybdenum:**
- **Vanadium:**
- **Zinc:**
- **Hydroxide:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Ion Balance:**
- **Amm. Nitrogen:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
### General:
- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation
- **Completed Depth:** 38.1 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Screen:
- **Material:**
- **OD (mm):** from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number:** 08222

**Elevation (AMSL) (m):** 757

**AEP:** 411515

**Licence No.:** Easting: 5,706.17

**Date Started:** 15 Oct 74

**Northing:** 5,937,775.50

**Date Completed:** 15 Oct 74

### Depth Elevation

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<td>36.6</td>
<td>720.1</td>
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<tr>
<td>38.1</td>
<td>718.6</td>
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</tbody>
</table>

**Electric Log:** Yes

**Transmissivity:** m²/day

**Gamma Log:** Yes

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No
**Well Number: 08223**

**Elevation (AMSL) (m):** 778

**AEP:** 411509

**Date Started:** 16 Oct 74

**Easting:** 4,554.79

**Date Completed:** 16 Oct 74

**Northing:** 5,936,781.00

---

**General:**

- **Type of Work:** Test Hole
- **Drilling Method:** Unknown
- **Well Use:** Observation
- **Completed Depth:** 47.2 (m)
- **NPWL (m):** Verified

**Abandonment:**

**Casing:**

- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Seal Type:**

**Liner:**

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Perforated How:**

**Screen:**

- **Material:**
- **OD (mm):**
- **Bottom (m):**

**Open Hole:**

- **from (m):**
- **Thickness (mm):**

**Pump:**

- **Model:**
- **Intake (m):**

**Testing:**

- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**

**Laboratory:**

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 26-053-07 W5M**

**Well Number:** 08224

**Well Owner:** Pickard, Ron

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 758

**AEP:** 397131

**Licence No.:** 4,747.74

**Date Started:** 12 May 94

**Easting:** 4,747.74

**Northing:** 5,937,844.50

**Date Completed:** 21 May 94

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic

### Completed Depth:

- NPWL (m): 27.4
- Verified NPWL (m): 5,937,844.50

### Abandonment:

- **Type:** Steel
- **Depth (m):** 42.4
- **Bottom (m):** 42.4

### Lithologic Description:

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<td>Sand</td>
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<td>53.6</td>
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<tr>
<td>77.4</td>
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<td>82.9</td>
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<td>90.2</td>
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<td>93.0</td>
<td>Shale &amp; Coal Gray</td>
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</table>

### Client Info:

- **Labour:**
  - **Model:** Goulds 5g05
  - **Intake (m):** 93.0
  - **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
  - **Level End (m):** 93.0
  - **Drawdown (m):** 93.0
  - **Rec'd Rate (lpm):** 4.6

---

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

**Database:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Printed on:** 2/20/98
SE 26-053-07 W5M

Well Owner: Groat, Stewart
Drilling Contractor: Morrill’s Water Well Drilling Ltd.

Well Number: 08225
Elevation (AMSL) (m): 778
AEP: 366108
Licence No.: Easting: 5286.82
Date Started: 14 Sep 92
Northing: 5936.710.00
Date Completed: 15 Sep 92

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 39.6 (m)
NPWL (m): 25.3 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 26.2 Bottom (m): 26.2
OD (mm): 139.7 Thickness (mm): 0.1
Seal Type: Driven from (m): to 26.2

Liner:
Type: OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 24.4 Bottom (m): 39.6

Perforated How: Machine from (m): 28.0 to 37.2 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 32.6

Testing:
Rate (lpm): 31.9 Time (minute): 120.0
Level End (m): 32.6 Drawdown (m): 7.3
Rec’d intake (m): 33.5 Rec’d Rate (lpm): 27.4

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Database: 1000H
Well Field Verified: No
### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 39.6 (m)  
- **NPWL (m):** 26.8  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:

- **Type:** Steel  
- **Depth (m):** 32.3  
- **Bottom (m):** 32.3  
- **OD (mm):** 141.2  
- ** Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 32.3  

### Liner:

- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 15.9  
- **Bottom (m):** 34.1  
- **Perforated How:** Unknown  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:

- **Material:** St  
- **OD (mm):** 1.2  
- **from (m):** 34.1 to 35.7  
- **Size:** 0.01  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:

- **from (m):** to  

### Pump:

- **Model:**  
- **Intake (m):** 34.1  

### Testing:

- **Rate (lpm):** 20.5  
- **Time (minute):** 720.0  
- **Level End (m):** 32.0  
- **Drawdown (m):** 5.2  
- **Rec'd intake (m):** 33.5  
- **Rec'd Rate (lpm):** 18.2  

### Laboratory:

- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **Nitrate:**  
- **Strontium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  
- **Chemical Constituents are in mg/l (ppm). Except as noted.**  

### Electric Log:

- **No**  
- **Transmissivity:** m²/day  
- **Gamma Log:** No  
- **Storativity:**  
- **Aquifer Test:** No  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Well Owner:** Culbert, Sheryl
- **Drilling Contractor:** Unknown Driller
- **Well Use:** Domestic
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Completed Depth (m):**
  - NPWL (m): Verified NPWL (m):
- **Abandonment:**
  - **Type:**
    - **Depth (m):** Bottom (m):
    - **OD (mm):** Thickness (mm):
    - **Seal Type:** from (m): to
- **Liner:**
  - **Type:**
    - **OD (mm):** Thickness (mm):
    - **Top (m):** Bottom (m):
    - **Perforated How:** from (m): to Size:
- **Screen:**
  - **Material:**
    - **OD (mm):**
      - from (m): to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):**
  - **Time (minute):**
  - **Level End (m):**
  - **Rec'd Intake (m):**
  - **Rec'd Rate (lpm):**
- **Laboratory:**
  - **pH (pH unit):**
  - **Cond. (µS/cm):**
  - **TDS:**
  - **Sodium:**
  - **Potassium:**
  - **Calcium:**
  - **Magnesium:**
  - **Carbonate:**
  - **Bicarbonate:**
  - **Aluminium:**
  - **Barium:**
  - **Sulphate:**
  - **Chloride:**
  - **Fluoride:**
  - **Iron:**
  - **TOC:**
  - **Silica:**
  - **Phosphate:**
  - **Beryllium:**
  - **Cadmium:**
  - **Copper:**
  - **Lead:**
  - **Chromium:**
  - **Arsenic:**
  - **Strontium:**
  - **Molybdenum:**
  - **Nickel:**
  - **Selenium:**
  - **Sodium:**
  - **Nitrate:**
  - **Vanadium:**
  - **Calcium:**
  - **TC:**
  - **Magnesium:**
  - **Zinc:**
  - **Bicarbonate:**
  - **Hydroxide:**
  - **Sulphate:**
  - **Strontium:**
  - **Magnesium:**
  - **Aluminium:**
  - **Phosphate:**
  - **Iron:**
  - **Manganese:**
  - **Cadium:**
  - **Nickel:**
  - **Selenium:**
  - **Nickel:**
  - **Sulphate:**
  - **Beryllium:**
  - **Cadmium:**
  - **Copper:**
  - **Lead:**
  - **Chromium:**
  - **Arsenic:**
  - **Strontium:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depth Elevation

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<th>Lithologic Description</th>
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### Testing:
**Transmissivity:** m²/day
**Storativity:**
**Aquifer Test:**
**Electric Log:**
**Gamma Log:**
**AEP Data:** Yes
**Database:** 1.000H

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 63.4 m
- **NPWL (m):** 16.8 m
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 18.3
- **Bottom (m):** 18.3
- **OD (mm):** 139.7
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 18.3

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 14.6
- **Bottom (m):** 63.4

### Perforated How:
- **Machine**
- **from (m):** to 26.8
- **Size:**
- **from (m):** to 51.2
- **Size:**
- **from (m):** to 57.3
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **Sub**

### Pump:
- **Model:** Goulds
- **Intake (m):** 51.8

### Testing:
- **Rate (lpm):** 34.2
- **Time (minute):** 120.0
- **Level End (m):** 42.7
- **Drawdown (m):** 25.9
- **Rec'd intake (m):** 54.9

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Sulfate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **a.
- **b.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### Water Well Positioned by PFRA in 10TM NAD 27

---

**Water Well Positioned by PFRA in 10TM NAD 27**
05-36-053-07 W5M

Well Owner: #1325e
Drilling Contractor: Alberta Environment

Well Number: 08237
Elevation (AMSL) (m): 752
AEP: 411518
Licence No.: Easting: 6,079.76
Date Started: 14 Oct 74
Northing: 5,938,620.00
Date Completed: 14 Oct 74

General:
Type of Work: Test Hole
Drilling Method: Unknown
Well Use: Observation
Completed Depth 38.1 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** Test Hole
- **Drilling Method:** Rotary
- **Well Use:** Monitoring

### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thick (mm):**
- **Seal Type:**
  - from (m): to

### Liner:
- **Type:**
- **OD (mm):**
- **Thick (mm):**
  - Top (m): Bottom (m)
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m): to**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

### Electric Log:
- No Transmissivity: m³/day

### Gamma Log:
- No Storativity:

### Aquifer Test:
- No

### Project:
- Database: 1.000H

### AEP Data:
- Yes Well Field Verified: No

## Lithologic Description
- 11.6 757.2 Till Dark Brown
- 21.3 747.5 Till Dark Gray
- 24.4 744.4 Silt Lacustrine Dark Gray
- 28.4 740.5 Sand Light Gray
- 37.5 731.3 Till Dark Gray
- 39.6 729.2 Siltstone Gray
- 42.7 726.2 Siltstone Hard Light Gray
- 44.8 724.0 Sandstone Bentonitic Light Gra
- 47.2 721.6 Siltstone Hard Gray

## Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 29.0 (m)
- **NPWL (m):** 15.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 27.1
- **Bottom (m):** 27.1
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 27.1 to 28.4
- **Size:** 0.01
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Type:** Jet
- **Model:**
- **Intake (m):** 26.8

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 26.8
- **Drawdown (m):** 11.0
- **Rec'd intake (m):** 25.9
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphorus:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** m³/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Verified:** Yes
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27
**09-01-054-01 W5M**

Well Owner: **Nichols, Ken**

Drilling Contractor: **Marwayne Water Well Drilling Services Lt**

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.3 m
- **NPWL (m):** 22.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 52.7
- **Bottom (m):** 52.7
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** from (m) to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m) to Size:
- from (m) to Size:
- from (m) to Size:

**Screen:**
- **Material:** St
- **OD (mm):** 0.9
- **from (m):** 52.7
to **54.0** Size: 0.01
- **from (m):** to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:** Intake (m): 48.8

**Testing:**
- **Rate (lpm):** 27.4
- **Time (minute):** 420.0
- **Level End (m):** 48.8
- **Drawdown (m):** 26.2
- **Rec'd Rate (lpm):** 51.2
- **Rec'd intake (m):** 27.4

---

**Laboratory:**

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<td>Silica</td>
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**Chemical Constituents are in mg/l.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number 08321**

**Elevation (AMSL) (m):** 791

**AEP:** 444005

**Licence No.:**

**Easting:** 65,993.57

**Date Started:** 26 Oct 79

**Nothing:** 5,940,974.00

**Date Completed:** 26 Oct 79

---

**Depth Elevations (BGL) (AMSL):**

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<td>781.0 Clay Brown</td>
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<td>18.6</td>
<td>772.8 Clay &amp; Sand</td>
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<td>33.8</td>
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<tr>
<td>54.3</td>
<td>737.1 Gravel</td>
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</table>

---

**Electric Log:**
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H

**AEP Data:** Yes

**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by PFRA in 10TM NAD 27
NE 01-054-01 W5M

Well Owner: Hanna, Bill
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 787
Licence No.: 444008
Easting: 65,039.00
North: 5,941,130.50

Date Started: 15 Nov 85
Date Completed: 21 Nov 85

Well Number: 08323

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 78.3 (m)
NPWL (m): 57.9
Abandonment:

Casing:
Type: Steel
Depth (m): 61.3
Bottom (m): 61.3
OD (mm): 141.2
Thickness (mm): 0.1
Seal Type: Formation Seal
from (m): to 61.3

Liner:
Type:
OD (mm): 114.3
Thickness (mm):
Top (m): 61.3
Bottom (m): 78.3

Perforated How: Torch
from (m): 61.3 to 78.3
Size:

Screen:
Material:
OD (mm):
from (m): to
from (m): to

Open Hole:
from (m): to

Pump:
Sub
Model:
Intake (m): 67.1

Testing:
Rate (lpm): 16.0
Time (minute): 420.0
Level End (m): 67.1
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:

pH (pH unit): COD
Cond. (µS/cm): SAR
TDS: TKN
Sodium: Nitrate
Potassium: Nitrite
Calcium: TN
Magnesium: TC
Carbonate: DIC
Bicarbonate: Arsenic
Aluminium: Barium
Sulphate: Beryllium
Chloride: Cadmium
Fluoride: Chromium
Iron: Cobalt
TOC: Copper
Silica: Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Depth
Elevation
Type
Lithologic Description
(BGL) (AMSL)
(m)
(m)
2.1 784.8 Clay Yellow
4.6 782.3 Sand
16.5 770.4 Clay Yellow
19.5 767.4 Sand & Coal Fine Grained Yello
30.5 756.4 Clay Soft Blue
38.1 748.8 Clay Hard Blue
42.1 744.8 Sand & Gravel
51.5 735.4 Clay Hard Yellow
53.3 733.6 Shale Greenish Gray
54.9 732.0 Shale Sandy Gray
58.2 728.7 Shale Greenish Gray
59.7 727.2 Shale Sandy Gray
62.5 724.4 Shale Green
65.8 721.1 Shale Sandy Gray
69.8 717.1 Shale Green
71.6 715.3 Shale Sandy Gray
72.2 714.7 Shale Brown
75.6 711.3 Shale Sandy Gray
78.3 708.6 Shale Gray

Electric Log: No
Gamma Log: No
Aquifer Test: No

Transmissivity: m²/day
Storativity:
Project: 1.000H
AEP Data: Yes

Well Field Verified: No
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 115.8 m
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:** Plastic
- **Depth (m):** 73.8
- **Bottom (m):** 73.8
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Bentonite
- **from (m):** to 73.2

#### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 70.1
- **Bottom (m):** 115.8
- **Perforated How:** Other
- **from (m):** to 99.1
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** Gould 5g05
- **Intake (m):** 70.7

### Testing:
- **Rate (lpm):** 9.1
- **Time (minute):** 120.0
- **Level End (m):** 70.1
- **Drawdown (m):** 36.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 9.1

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **Mercury:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrates & Nitrites:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-054-01 W5M**

**Well Owner:** Ohare, Mel  
**Drilling Contractor:** D&D Water Well Drilling & Services  

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 79.2 (m)  
- **NPWL (m):** 51.8  
- **Abandonment:**  

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 53.0  
- **Bottom (m):** 53.0  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 53.0  

**Liner:**  
- **Type:**  
- **OD (mm):** 114.3  
- ** Thickness (mm):** 0.1  
- **Top (m):** to 79.2  
- **Perforated How:** Other  
- **from (m):** to 61.0  
- **Size:** to 73.2  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  
- **Open Hole:**  
- **from (m):** to  

**Pump:**  
- **Model:** Jacuzzi  
- **Intake (m):** 61.0  

**Testing:**  
- **Rate (lpm):** 16.0  
- **Time (minute):** 480.0  
- **Level End (m):** 61.0  
- **Drawdown (m):** 9.1  
- **Rec'd intake (m):** 67.1  
- **Rec'd Rate (lpm):**  

**Laboratory:**  
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  
- **Electric Log:** No  
- **Gamma Log:** No  
- **Aquifer Test:** No  
- **Database:** 1.000H  

- **Chemical Constituents:** in mg/l (ppm). Except as noted.  

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27  

Water Well Positioned by PFRA in 10TM NAD 27
**NE 01-054-01 W5M**

**Well Owner:** Ohare, Mel  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 794  
**AEP:** 444010  
**License No.:** 65,619.87  
**Date Started:** 01 Jun 87  
**Nortthing:** 5,941,248.62  
**Date Completed:** 04 Jun 87

### General:
- **Type of Work:** Dry Hole  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic

#### Lithologic Description

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<td>16.8</td>
<td>777.7</td>
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### Casing:
- **Type:**  
- **Depth (m):**  
- **Bottom (m):**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):**  
- **to:**

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):**  
- **to:**  
- **Size:**

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):**  
- **to:**  
- **Size:**

### Open Hole:
- **from (m):**  
- **to:**

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):**  
- **Time (minute):**
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):**  
- **Rec'd Rate (lpm):**

### Laboratory:

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TKS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27.

**Printed on:** 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 71.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to
  - **Liner:**
    - **Type:**
    - **OD (mm):** Thickness (mm):
    - **Top (m):** Bottom (m):
    - **Perforated How:** from (m): to Size:
    - **Screen:**
      - **Material:**
      - **OD (mm):** from (m): to Size:
      - **from (m):** to Size:
    - **Open Hole:** from (m): to
    - **Pump:**
      - **Model:** Intake (m):
    - **Testing:**
      - **Rate (lpm):** Time (minute):
      - **Level End (m):** Drawdown (m):
      - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:

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<tr>
<td>Silica</td>
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**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log & Test Results:
- **Transmissivity:** m²/day
- **Storativity:**
- **Aquifer Test:**
- **TOC:** Copper Total Alkalinity 445.0
- **Pump:** Intake (m):
- **Testing:**
  - **Time (minute):**
  - **Rate (lpm):**
  - **Drawdown (m):**
  - **Rec'd Rate (lpm):**

### Water Well Positioning:
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**NE 01-054-01 W5M**

**Well Owner:** Tradewind Ind  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Well Number:** 08328  
**Elevation (AMSL) (m):** 794  
**AEP:** 444001  
**Licence No.:** Easting: 65,597.13  
**Date Started:** Northing: 5,841,492.50  
**Date Completed:** 10 Nov 76

---

**General:**
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 73.2 (m)  
- **NPWL (m):** 48.8  
- **Verified NPWL (m):**

**Casing:**
- **Type:** Galvanized Steel  
- **Depth (m):** 69.2  
- **OD (mm):** 114.3  
- **Bottom (m):** 69.2  
- **Seal Type:** Driven  
- **Thickness (mm):**

**Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):**
- **Perforated How:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**
  - **from (m):** to  
  - **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to  
- **Size:**
- **from (m):** to  
- **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 18.2  
- **Time (minute):** 240.0

**Testing:**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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**Lithologic Description**

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<td>760.2</td>
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<td>64.9</td>
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<td>73.2</td>
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**Laboratory:**

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<td>Barium</td>
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<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No

---

*printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.0 m
- **NPWL (m):** 25.9
- **verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 56.7
- **Bottom (m):** 56.7
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to 56.7

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **from (m):** to
- **from (m):** to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 36.5
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **30 Oct 76**
- **pH (pH unit):** 7.70
- **Cond. (µS/cm):** 1140
- **TDS:** 4786
- **Sodium:** 216.89
- **Potassium:** 1.96
- **Calcium:** 70.94
- **Magnesium:** 11.07
- **Carbonate:** DIC
- **Bicarbonate:** 602.17
- **Aluminum:** Barium
- **Sulphate:** 186.84
- **Chloride:** 2.13
- **Fluoride:** Chromium
- **Iron:** 0.70
- **TOC:** Copper
- **Silica:** Lead
- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness 222.00
- **Manganese:** Phosphate
- **Cadmium:** Iron Balance 1.01
- **Amm. Nitrogen:** Phosphate
- **Copper:** Total Phosphate
- **Total Alkalinity:** 494.0
- **Lead:** Nitrate & Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Owner: Williams, Bill
Drilling Contractor: Caribou Drilling Ltd.

Elevation (AMSL) (m): 793  AEP: 446842
Licence No.: Easting: 65,549.05
Date Started: 03 Dec 78 Northing: 5,941,220.50
Date Completed: 10 Dec 78

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 31.4 (m)
NPWL (m): 25.9  Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 30.2  Bottom (m): 30.2
OD (mm): 114.3  Thickness (mm): 0.1
Seal Type: from (m): to

Liner:
Type: from (m): to
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 30.2 to 31.4 Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): 22.8  Time (minute): 300.0
Level End (m): Drawdown (m):
Rec’d intake (m): 29.6  Rec’d Rate (lpm):

Laboratory:
ph (pH unit) 7.80  COD Mercury
Cond. (µS/cm) 631.0  SAR Nickel
TDS 361.0  TKN 0.02 Selenium
Potassium 2.74  Nitrate Strontium
Sodium 14.03  TN Vanadium
Calcium 86.97  TC 12 Zinc
Magnesium 22.98  DIC Hydroxide
Carbonate 391.68  Arsenic Total Hardness 312.00
Bicarbonate 39.86  Barium Manganese
Aluminium 39.86  Beryllium Phosphate
Sulphate 39.86  Cadmium Ion Balance 0.94
Fluoride 0.24  Chromium Amm. Nitrogen
Iron 0.08  Cobalt Total Phosphate
TOC 0.08  Copper Total Alkalinity 322.0
Silica 17.00  Lead Nitrate&Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: **08331**

**NH 01-054-01 W5M**

Well Owner: **De Haas, R./P.**  
Drilling Contractor: **Unknown Driller**

**Elevation (AMSL) (m):** 764  
**AEP:** 443997  
**Licence No.:**  
**Date Started:**  
**Date Completed:**  
**Easting:** 64,695.92  
**Northing:** 5,941,334.00

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 57.9 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory: 26 Nov 85
- **pH (pH unit):** 7.50  
- **COD:** Mercury  
- **Cond. (µS/cm):** 1213  
- **SAR:** Nickel  
- **TDS:** 787.0  
- **TKN:** Selenium  
- **Sodium:** 224.94  
- **Nitrate:** Strontium  
- **Potassium:** 1.96  
- **Nitrite:** Molybdenum  
- **Calcium:** 70.94  
- **TN:** Vanadium  
- **Magnesium:** 11.07  
- **TC:** Zinc  
- **Carbonate:** DIC  
- **Bicarbonate:** Hydroxide  
- **Arsenic:** Total Hardness 223.00  
- **Aluminium:** Barium  
- **Manganese:**  
- **Sulphate:** 187.80  
- **Beryllium:** Phosphate  
- **Chloride:** Cadmium  
- **Ion Balance:** 1.05  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** 0.50  
- **Cobalt:** Total Phosphate  
- **TOC:** Copper  
- **Total Alkalinity:** 482.0  
- **Silica:**  
- **Lead:** Nitrate&Nitrite N

### Electric Log:  
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:

### Aquifer Test:  
- **Rec'd Rate:**  
- **Intake:**  

### Database:  
- **Project:**  
- **Database:** 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 54.9
- **Bottom (m):** 54.9
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** Driven
  - from (m): to 54.9

## Liner:
- **Type:**
  - OD (mm):
    - Top (m):
    - Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

## Screen:
- **Material:**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

## Open Hole:
- from (m): to

## Pump:
- **Model:**
- **Intake (m):** 48.8

## Testing:
- **Rate (lpm):** 8.0
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**

## Laboratory:

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| Chemical Constituents are in mg/l (ppm). Except as noted.

## Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
NH 01-054-01 W5M

Well Owner: **Jones, Andy**
Drilling Contractor: **Big Iron Drilling Ltd.**

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**Well Number: 08333**

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):** 54.9
- **Verifiably NPWL (m):**

### Abandonment:
- **Casing:**
  - Type: **Steel**
  - Depth (m): 70.7
  - Bottom (m): 70.7
  - OD (mm): 141.2
  - Thickness (mm): 0.1
  - Seal Type: Driven
  - from (m): to 70.7

### Liner:
- **Type:**
  - OD (mm): 115.8
  - Thickness (mm):
  - Top (m): 67.1
  - Bottom (m): 91.4
- **Perforated How:** Torch
  - from (m): 85.3 to 91.4
  - Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Sub**
- **Model:**
- **Intake (m):** 91.4

### Testing:
- **Rate (lpm):** 68.4
- **Time (minute):** 120.0
- **Level End (m):** 91.4
- **Drawdown (m):** 36.6
- **Rec'd Rate (lpm):** 73.2
- **Rec'd intake (m):**

### Laboratory:
- **pH (pH unit):** 7.70
- **Cond. (µS/cm):** 1198
- **TDS:** 778.0
- **Sodium:** 203.09
- **Nitrate:**
- **Potassium:** 2.35
- **Molybdenum:**
- **Calcium:** 81.96
- **Vanadium:**
- **Magnesium:** 9.00
- **Zinc:**
- **Carbonate:**
- **DIC:** 558.85
- **Hydroxide:**
- **Bicarbonate:** 5.10
- **Arsenic:**
- **Total Hardness:** 242.00
- **Aluminum:**
- **Manganese:**
- **Sulphate:** 204.13
- **Phosphate:**
- **Chloride:** 2.13
- **Amm. Nitrogen:** 1.02
- **Fluoride:**
- **Iron:** 1.67
- **Cobalt:**
- **Iron:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 458.0
- **Silica:** 11.20
- **Total Nitrate & Nitrite:**

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
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<th>Well Number: 08334</th>
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<td>Abandonment:</td>
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</table>

| Casing:                      |                                       |                         |
| Type:                        |                                       |                         |
| Depth (m):                   | Bottom (m):                           |                         |
| OD (mm):                     | Thickness (mm):                       |                         |
| Seal Type:                   |                                       |                         |
| from (m):                    | to                                    |                         |

| Liner:                       |                                       |                         |
| Type:                        |                                       |                         |
| OD (mm):                     | Thickness (mm):                       |                         |
| Top (m):                     | Bottom (m):                           |                         |
| Perforated How:              |                                       |                         |
| from (m):                    | to                                    | Size:                   |
| from (m):                    | to                                    | Size:                   |
| from (m):                    | to                                    | Size:                   |

| Screen:                      |                                       |                         |
| Material:                    |                                       |                         |
| OD (mm):                     |                                       |                         |
| from (m):                    | to                                    | Size:                   |
| from (m):                    | to                                    | Size:                   |

| Open Hole:                   |                                       |                         |
| from (m):                    |                                       |                         |

| Pump:                        |                                       |                         |
| Model:                       |                                       |                         |
| Intake (m):                  |                                       |                         |

| Testing:                     |                                       |                         |
| Rate (lpm):                  |                                       |                         |
| Time (minute):               |                                       |                         |
| Level End (m):               |                                       |                         |
| Drawdown (m):                |                                       |                         |
| Rec'd intake (m):            |                                       |                         |
| Rec'd Rate (lpm):            |                                       |                         |

| Laboratory:                  | 15 Mar 83                             |
| pH (pH unit): 8.00           | COD Mercury                           |
| Cond. (µS/cm): 1204          | SAR Nickel                            |
| TDS: 747.0                  | TKN Selenium                          |
| Sodium: 284.97              | Nitrate Strontium                     |
| Potassium: 1.17             | Nitrile Molybdenum                    |
| Calcium: TC                 | TC Zinc                               |
| Magnesium: DIC              | Hydroxide                             |
| Bicarbonate: 499.67         | Arsenic Total Hardness                |
| Aluminum: Barium: 209.89    | Manganese                             |
| Sulphate: 2.84              | Beryllium Phosphate                   |
| Chloride: 2.24              | Cadmium Ion Balance: 0.99            |
| Fluoride: 0.22              | Chromium Amm. Nitrogen                |
| Iron: 0.26                  | Cobalt Total Phosphate                |
| TOC: 0.26                   | Copper Total Alkalinity: 411.0        |
| Silica: 19.50               | Lead Nitrate&Nitrite N                |

| Electric Log: No Transmissivity: m³/day |
| Gamma Log: No Storativity:             |
| Aquifer Test: No                       |
| Project: Database: 1.000H               |
| AEP Data: Yes Well Field Verified: No  |

Remarks: Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 19.8 m
  - NPWL (m): 6
  - Verified NPWL (m): 130.06
  - Abandonment:
- **Type:**
  - Depth (m):
  - Bottom (m):
- **Seal Type:** from (m): to

**Casing:**
- **Type:**
  - Depth (m):
  - Thickness (mm):
- **OD (mm):** from (m): to
- **Thickness (mm):** from (m): to

**Liner:**
- **Type:**
  - OD (mm):
  - Thickness (mm):
  - Top (m):
  - Bottom (m):
- **Perforated How:** from (m): to Size:
- **Depth (m):** from (m): to Size:

**Screen:**
- **Material:**
  - OD (mm):
  - Thickness (mm):
- **Top (m):** from (m): to Size:
- **Bottom (m):** from (m): to Size:

**Open Hole:**
- **from (m):** from (m): to

**Pump:**
- **Model:** Intake (m):
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec’d intake (m):** Rec’d Rate (lpm):

**Laboratory:**
- **pH (pH unit):** 7.40
- **Cond. (µS/cm):** 876.0
- **TDS:** 523.0
- **Sodium:** 11.04
- **Potassium:** 3.52
- **Calcium:** 130.06
- **Magnesium:** 33.08
- **Carbonate:** DIC
- **Bicarbonate:** 436.22
- **Aluminum:** Barium
- **Sulphate:** 130.16
- **Chloride:** Cadmium
- **Fluoride:** 0.20
- **Iron:** 3.53
- **TOC:** Copper
- **Silica:** 19.60

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 08335**
- **Well Owner:** Lucas, Darren
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 770
- **AEP:** 443995
- **Date Started:**
- **Date Completed:**
- **Licence No.:**
- **Easting:** 64,789.99
- **Northing:** 5,941,163.00
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No
- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Amm. Nitrogen:**
- **Total Hardness:** 460.00
- **Barium:** Manganese
- **Total Phosphate:**
- **Beryllium:** Phosphate
- **Chromium:** Amm. Nitrogen
- **Copper:** Total Alkalinity 358.0
- **Cadmium:** Ion Balance 0.99
- **Cobalt:** Total Phosphate
- **Copper:** Total Alkalinity 358.0
- **Cadmium:** Ion Balance 0.99
- **Lead:** Nitrate&Nitrite N
- **Chlorine:**
- **Calcium:**
- **Magnesium:**
- **Silica:** 19.60
- **Barium:** Manganese
- **Iron:** 3.53
- **TOC:** Copper
- **Silica:** 19.60
- **Barium:** Manganese
- **Iron:** 3.53
- **TOC:** Copper

**printed on 2/20/98**
**NH 01-054-01 W5M**

**Well Owner:** Page, Chris  
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
</tr>
</thead>
</table>
| Type of Work: Chemistry  
Drilling Method: Unknown  
Well Use: Domestic  
Completed Depth: 53.6 (m)  
NPWL (m):Verified NPWL (m):  
Abandonment: | (m) (m) |  |
| | | (No Lithologic Information Available) |
| | |  |
| Casing:  
Type:  
Depth (m): Bottom (m):  
OD (mm): Thickness (mm):  
Seal Type: from (m): to | Liner:  
Type:  
OD (mm): Thickness (mm):  
Top (m): Bottom (m):  
Perforated How: from (m): to Size:  
from (m): to Size:  
from (m): to Size: |  |
| | Screen:  
Material:  
OD (mm): from (m): to Size:  
from (m): to Size:  
from (m): to Size: |  |
| | Open Hole: from (m): to |  |
| | Pump: Model: Intake (m): |  |
| | Testing:  
Rate (lpm): Time (minute):  
Level End (m): Drawdown (m):  
Rec’d intake (m): Rec’d Rate (lpm): |  |
| | Laboratory:  
| pH (pH unit) | COD | Mercury |
| Cond. (µS/cm) | SAR | Nickel |
| TDS | TKN | Selenium |
| Sodium | Nitrate | Strontium |
| Potassium | Nitrite | Molybdenum |
| Calcium | TN | Vanadium |
| Magnesium | TC | Zinc |
| Carbonate | DIC | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium | Barium | Manganese |
| Sulphate | Beryllium | Phosphate |
| Chloride | Cadmium | Ion Balance |
| Fluoride | Chromium | Amm. Nitrogen |
| Iron | Cobalt | Total Phosphate |
| TOC | Copper | Total Alkalinity |
| Silica | Lead | Nitrate&Nitrite N |
| | | |  |
| | | | Electric Log: No Transmissivity: m²/day |
| | | | Gamma Log: No Storativity: |
| | | | Aquifer Test: No Project: Database: 1.000H |
| | | | AEP Data: Yes Well Field Verified: No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on2/20/98
### General:
- **Type of Work:** Chemistry
- **Well Use:** Domestic
- **Completed Depth:** 97.5 m
- **NPWL (m):** 48.8
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:**
- **Intake (m):**

#### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** 7.60
- **Cond. (µS/cm):** 2200
- **TDS:** 1664
- **Sodium:** 54.05
- **Potassium:** 3.91
- **Calcium:** 376.95
- **Magnesium:** 86.09
- **Carbonate:**
- **Bicarbonate:** 740.05
- **Aluminum:** Barium
- **Sulphate:** 779.05
- **Chloride:** Cadmium
- **Fluoride:** 0.16
- **Iron:** 0.90
- **TOC:** Copper
- **Silica:** Lead

#### Chemical Constituents are in mg/l (ppm). Except as noted.

### Depth Elevation
<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>48.8</td>
<td><em>(No Lithologic Information Available)</em></td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
## General:
- **Well Owner:** Williams, W.R.
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 794
- **Licence No.:** Easting: 65,542.52
- **Date Started:** Northing: 5,941,232.00
- **Date Completed:**

## Chemistry
- **Well Use:** Domestic
- **Completed Depth (m):** 68.6
- **NPWL (m):**
- **Veriﬁed NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec’d intake (m):** Rec’d Rate (lpm):

## Laboratory:
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Description</th>
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<td>pH (pH unit)</td>
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<td>Cond. (μS/cm)</td>
<td>1007</td>
<td>SAR, Nickel</td>
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<td>TDS</td>
<td>634.0</td>
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<td>Sodium</td>
<td>91.08</td>
<td>Nitrate, Strontium</td>
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<tr>
<td>Potassium</td>
<td>1.96</td>
<td>Nitrite, Molybdenum</td>
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<td>Calcium</td>
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<td>Barium, Manganese</td>
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<td>Sulphate</td>
<td>15.00</td>
<td>Beryllium, Phosphate</td>
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<tr>
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<td>15.00</td>
<td>Cadmium, Ion Balance 0.96</td>
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<td>Fluoride</td>
<td>0.06</td>
<td>Chromium, Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>0.94</td>
<td>Cobalt, Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>449.0</td>
<td>Copper, Total Alkalinity 449.0</td>
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<tr>
<td>Silica</td>
<td>0.96</td>
<td>Lead, Nitrate&amp;Nitrate N</td>
</tr>
</tbody>
</table>

*Chemical Constituents are in mg/l (ppm). Except as noted.*

## Remarks:
- **Water Well Positioned by PFRA in 10TM NAD 27**

---

### Depth Elevation (BGL) (AMSL)

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Elevation (m)</th>
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</thead>
<tbody>
<tr>
<td>30 Nov 78</td>
<td>805</td>
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</tbody>
</table>

### Lithologic Description

(No Lithologic Information Available)

---

### Electric Log
- **m²/day**: No
- **Transmissivity**: No
- **Gamma Log**: No
- **Gamma Ray**: Storativity:
- **Aquifer Test**: No
- **AEP Data**: Yes
- **Database**: 1,000H
- **Project**: Well Field Verified: No
**NH 01-054-01 W5M**

**Well Owner:** Wilson, Douglas B.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 769

**AEP:** 443998

**Date Started:**

**Easting:** 64,888.24

**Date Completed:**

**Northing:** 5,941,746.00

**License No.:**

**Well Number:** 08339

---

## General
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):** 27.1
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

## Casing
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

## Liner
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole
- **from (m):** to

## Pump
- **Model:**
- **Intake (m):**

## Testing
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory
- **23 Jan 86**

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<th>Parameter</th>
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<td>pH (pH unit)</td>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<td>TOC</td>
<td>Copper</td>
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<tr>
<td>Silica</td>
<td>17.10</td>
</tr>
<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
</tr>
</tbody>
</table>

## Electric Log
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Silver:**
- **Aquifer Test:**
- **AEP Data:**
- **Database:** 1.000H
- **AEP Field Verified:**

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

*Printed on 2/20/98*
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Drilling Contractor:** D&D Water Well Drilling & Services
- **Well Use:** Domestic
- **Completed Depth:** 77.7 (m)
  - NPWL (m): 36.6
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 56.1
  - **Bottom (m):** 56.1
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.1
- **Seal Type:** Welded Ring
  - **from (m):** to 56.1
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Top (m):** 54.9
  - **Bottom (m):** 77.7
- **Perforated How:** Other
  - **from (m):** 64.0 to 76.2
  - **Size:**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 68.4
  - **Time (minute):** 180.0
  - **Drawdown (m):** 15.2
  - **Rec'd intake (m):**
  - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Hydroxide:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**
- **(BGL) (AMSL):**
  - **(m) (m):**
    - Depth: 7.0 765.4 Clay Yellow
    - 8.2 764.2 Sand & Gravel
    - 23.8 748.6 Clay Blue
    - 29.3 743.2 Sand & Gravel
    - 38.7 733.7 Sandstone Yellow
    - 59.7 712.7 Shale Green
    - 64.3 708.1 Shale Gray
    - 71.3 701.1 Sandstone
    - 71.9 700.5 Shale Gray
    - 76.2 696.2 Sandstone
    - 77.7 694.7 Shale Gray

**Remarks:**
- Electric Log: No
- **Transmissivity:** m²/day
- Gamma Log: No
- **Storativity:**
- Aquifer Test: No
- Project: Database: 1.000H
- AEP Data: Yes
- **Well Field Verified:** No
- Remarks:
**NW 01-054-01 W5M**

**Well Owner:** Cawthorn, Grant  
**Drilling Contractor:** D&D Water Well Drilling & Services

<table>
<thead>
<tr>
<th>Depth (BGL)</th>
<th>Elevation (AMSL)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>6.4</td>
<td>767.9</td>
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<td>17.1</td>
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<td>737.2</td>
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| Laboratory: |  |
|-------------|  |
| pH (pH unit)| COD  | Mercury |
| Cond. (µS/cm)| SAR  | Nickel |
| TDS         | TKN  | Selenium |
| Sodium      | Nitrate | Strontium |
| Potassium   | Nitrite | Molybdenum |
| Calcium     | TN   | Vanadium |
| Magnesium  | TC   | Zinc |
| Carbonate   | DIC  | Hydroxide |
| Bicarbonate | Arsenic | Total Hardness |
| Aluminium  | Barium | Manganese |
| Sulphate   | Beryllium | Phosphate |
| Chloride   | Cadmium | Ion Balance |
| Fluoride   | Chromium | Amm. Nitrogen |
| Iron       | Cobalt | Total Phosphate |
| TOC        | Copper | Total Alkalinity |
| silica     | Lead  | Nitrate&Nitrite N |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Elevation (AMSL) (m):** 774  
**AEP:** 368886  
**Date Started:** 07 Dec 92  
**Date Completed:** 17 Dec 92

**Well Number:** 08341  
**Licence No.:** 64,874.79  
**Nortthing:** 5,941,178.00

**Drilling Method:** Rotary  
**Well Use:** Domestic

**Completed Depth:** 79.8 (m)  
**NPWL (m):** 39.9  
**Verified NPWL:**

**Abandonment:**

**Casing:**

**Type:** Plastic  
**Depth (m):** 63.1  
**Bottom (m):** 63.1  
**OD (mm):** 152.4  
**Thickness (mm):** 0.1  
**Seal Type:** Bentonite Chips/Tabl  
**from (m):** 63.1  
**to:** 63.1

**Liner:**

**Type:**  
**OD (mm):** 114.3  
**Thickness (mm):** 0.1  
**Top (m):** 61.6  
**Bottom (m):** 79.8  
**Perforated How:** Saw  
**from (m):** 67.1  
**to:** 79.2  
**Size:**

**Screen:**

**Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**

**Open Hole:**

**from (m):** to

**Pump:**

**Model:**  
**Intake (m):** 61.0  
**Rate (lpm):** 45.6  
**Time (minute):** 180.0  
**Level End (m):** 54.9  
**Drawdown (m):** 14.9  
**Rec'd intake (m):** 54.9  
**Rec'd Rate (lpm):** 36.5

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Printed on:** 2/20/98
**NW 01-054-01 W5M**

**Well Owner:** Clements, John  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m):** 766  
**AEP:** 443984  
** Licence No.:** 64,749.83  
**Date Started:** 08 Sep 87  
**Northing:** 5,941,465.00  
**Date Completed:** 09 Sep 87

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<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Rotary</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 61.0 (m)</td>
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<td>Perforated How: Other</td>
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<td>from (m): to</td>
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<td>from (m): to</td>
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<tr>
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<td>from (m): to</td>
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<td>from (m): to</td>
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<td>Pump:</td>
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<td>Rec'd intake (m):</td>
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<td>pH (pH unit)</td>
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<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Silicon</td>
<td>Lead</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 22.9m
- **NPWL (m):** 9.1
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 15.2
- **Bottom (m):** 15.2
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Seal Type:** from (m): to

### Liner:
- **Type:** Steel
- **OD (mm), Top (m):**
- **Thickness (mm), Bottom (m):**
- **Perforated How:** from (m): to Size:
- **from (m): to Size:**
- **from (m): to Size:**

### Screen:
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 15.2 to 16.5
- **Size:** 0.01
- **from (m):**
- **Thickness (mm), OD (mm):**
- **Bottom (m):**
- **Top (m):**

### Open Hole:
- **from (m):** to

### Pump:
- **Sub:**
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 60.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 14.6
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>Lead</td>
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<td>Nitrate &amp; Nitrite N</td>
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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

### Well Owner:
Legal Const Ltd

### Date Started:
19 Sep 84

### Date Completed:
20 Sep 84

### Licence No.:
443983766

### Elevation (AMSL) (m):
766

### AEP:
443983

### Easting:
64,749.83

### Northing:
5,941,465.00

### Well Number:
08343

---

**Chemical Constituents are in mg/l (ppm). Except as noted.**
**NW 01-054-01 W5M**

**Well Owner:** Rypkema, G.

**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Well Number:** 08344

**Elevation (AMSL) (m):** 766  
**AEP:** 443990

**Licence No.:** 64,749.83  
**Easting:** 5,941,485.00

**Date Started:** 16 Aug 76  
**Northing:** 16 Aug 76

### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 36.6 (m)  
**NPWL (m):** 18.3

**Abandonment:**

### Casing

- **Type:** Galvanized Steel

**Depth (m):** 32.6  
**Bottom (m):** 32.6

**OD (mm):** 114.3  
**Thickness (mm):**

**Seal Type:**  
**from (m):** to

### Liner

- **Type:**

**OD (mm):** 1.1  
**Thickness (mm):**

**Top (m):**  
**Bottom (m):**

**Perforated How:**

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

**from (m):** to  
**Size:**

### Screen

- **Material:** Un

**OD (mm):** 3.1  
**Size:** 0.01

- **from (m):** to  
**Size:**

- **from (m):** to  
**Size:**

- **from (m):** to  
**Size:**

### Open Hole

- **from (m):** to

### Pump

- **Model:**

- **Intake (m):**

### Testing

- **Rate (lpm):** 9.1  
**Time (minute):** 240.0

- **Level End (m):**  
**Drawdown (m):**

- **Rec'd Intake (m):**  
**Rec'd Rate (lpm):**

### Laboratory

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nitrate:**
- **Nitrite:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Electric Log: No  
**Transmissivity:** m²/day

### Gamma Log: No  
**Storativity:**

### Aquifer Test: No

### Project: Database: 1.000H

### AEP Data: Yes  
**Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**
**NW 01-054-01 W5M**

**Well Owner:** Sharp, Dave  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

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<td><strong>Date Completed:</strong> 16 Jun 76</td>
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</table>

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 48.8 (m)  
- **NPWL (m):** 21.3  
- **Verified NPWL (m):**  
- **Abandonment:**

#### Casting:
- **Type:** Galvanized Steel  
- **Depth (m):** 45.1  
- **Bottom (m):** 45.1  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  

#### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**

#### Screen:
- **Material:** Un  
- **OD (mm):** 1.1  
- **from (m):** to 46.6  
- **Size:** 0.01  
- **from (m):** to  
- **Size:**

#### Open Hole:
- **from (m):** to  

#### Pump:
- **Model:**  
- **Intake (m):**

#### Testing:
- **Rate (lpm):** 9.1  
- **Time (minute):** 540.0  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec'd intake (m):** 42.7  
- **Rec'd Rate (lpm):**

#### Laboratory:
- **26 Jul 77**
- **pH (pH unit):** 7.80  
- **COD:**  
- **Mercury:**  
- **Cond. (µS/cm):** 1160  
- **SAR:**  
- **Nickel:**  
- **TDS:** 729.0  
- **TKN:**  
- **Selenium:**  
- **Sodium:** 278.99  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:** 1.56  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:** 478.93  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:** 210.85  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:** 1.00  
- **Fluoride:** 0.18  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:** 0.07  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:** 393.0  
- **Silica:** 20.60  
- **Lead:**  
- **Nitrate&Nitrite N:**  

#### Electric Log:
- **No**  
- **Transmissivity:** m²/day  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **Copper Total Alkalinity:**  
- **TOC:**  
- **Database:** 1.000H  
- **Project:**  
- **AEP Data:** Yes  
- **Well Field Verified:** No

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Owner: Sherman, W.C.

Drilling Contractor: Unknown Driller

**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 44.2 (m)
- NPWL (m): 25.9
- Verified NPWL (m): 
- Abandonment:

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material: 
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): 7.60
- Cond. (µS/cm): 750.0
- TDS: 451.0
- Sodium: 14.95
- Potassium: 2.35
- Calcium: 101.00
- Magnesium: 29.06
- Carbonate: 456.96
- Bicarbonate: 80.21
- Chloride: 0.21
- Fluoride: 1.70
- Iron: 2.35
- TOC: 80.21
- Silica: 0.21
- pH: 7.60
- COD: 750.0
- SAR: 451.0
- TKN: 14.95
- Nitrate: 2.35
- Molybdenum: 101.00
- Strontium: 29.06
- Vanadium: 456.96
- Arsenic: 80.21
- Chromium: 0.21
- Cobalt: 1.70
- Beryllium: 750.0
- Manganese: 451.0
- Iron: 14.95
- Copper: 2.35
- Phosphate: 101.00
- Nickel: 29.06
- Selenium: 456.96
- Molybdenum: 80.21
- Zn: 0.21
- Copper: 1.70
- Lead: 750.0
- Nitrate: 451.0
- Nitrates: 14.95
- Bicarbonate: 2.35
- Hydroxide: 101.00
- Ammonia: 29.06
- Nitrite: 456.96
- Calcium: 80.21
- Phosphate: 0.21
- Zinc: 1.70

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**NW 01-054-01 W5M**

**Well Owner:** Stepaniuk, Earl  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Bored</td>
</tr>
<tr>
<td>Well Use:</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>40.2 (m)</td>
</tr>
<tr>
<td>NPWL (m):</td>
<td>18.3</td>
</tr>
<tr>
<td>Abandonment:</td>
<td>No</td>
</tr>
</tbody>
</table>

**Casing:**  
Type: Galvanized Steel  
Depth (m): 38.7  
Bottom (m): 38.7  
OD (mm): 114.3  
Thickness (mm):  
Seal Type:  
from (m): to |

**Liner:**  
Type:  
OD (mm):  
Thickness (mm):  
Top (m):  
Bottom (m):  
Perforated How:  
from (m): to  
Size:  
from (m): to  
Size:  
from (m): to  
Size: |

**Screen:**  
Material: Un  
OD (mm): 1.1  
from (m): 38.7  to 40.2  
Size: 0.10 |

**Open Hole:**  
from (m): to |

**Pump:**  
Model:  
Intake (m):  

**Testing:**  
Rate (lpm): 11.4  
Time (minute): 540.0  
Level End (m):  
Drawdown (m):  
Rec'd intake (m):  
Rec'd Rate (lpm): |

| Laboratory: |
| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS: | TKN |
| Sodium: | Nitrate |
| Potassium: | Nitrite |
| Calcium: | TN |
| Magnesium: | TC |
| Carbonate: | DIC |
| Bicarbonate: | Arsenic |
| Aluminium: | Barium |
| Sulphate: | Beryllium |
| Chloride: | Cadmium |
| Fluoride: | Chromium |
| Iron: | Cobalt |
| TOC: | Copper |
| Silica: | Lead |
| Chemical Constituents are in mg/l (ppm). Except as noted. |

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27  

| Electric Log: No |
| Gamma Log: No |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |

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<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>10.4</td>
<td>755.8</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>34.8</td>
<td>731.4</td>
<td>Till</td>
</tr>
<tr>
<td>40.2</td>
<td>725.9</td>
<td>Sand &amp; Gravel</td>
</tr>
</tbody>
</table>

**Printed on:** 2/20/98
NW 01-054-01 W5M

Well Owner: Throness, Dean
Drilling Contractor: Irmc Water Well Service & Supply Co. Ltd

Elevation (AMSL) (m): 766
AEP: 443976
Licence No.: Easting: 64,749.83
Date Started: 02 Jul 75 Northing: 5,941,485.00
Date Completed: 03 Jul 75

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 40.2 (m)
- NPWL (m): 12.2
- Abandonment:

**Casing:**
- Type: Galvanized Steel
- Depth (m): 38.7
- Bottom (m): 38.7
- OD (mm): 114.3
- Thickness (mm):
- Seal Type: from (m): to
- Thickness (mm):

**Liner:**
- Type: Galvanized Steel
- OD (mm): from (m): to
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: St
- OD (mm): from (m): to 40.2
- to Size: 0.01
- Thickness (mm):
- Bottom (m): Top (m):

**Open Hole:**
- from (m): to

**Pump:**
- Sub
- Model: Intake (m):
- Testing:
- Rate (lpm): 6.8
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec’d intake (m): 21.0
- Rec’d Rate (lpm):

**Laboratory:**
- pH (pH unit) COD
- Cond. (µS/cm) SAR Nickel
- TDS TKN Selenium
- Sodium Nitrate Strontium
- Potassium Nitrite Molybdenum
- Calcium TN Vanadium
- Magnesium TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate Arsenic Total Hardness
- Aluminium Barium Manganese
- Sulphate Beryllium Phosphate
- Chloride Cadmium Ion Balance
- Fluoride Chromium Amm. Nitrogen
- Iron Cobalt Total Phosphate
- TOC Copper Total Alkalinity
- Silica Lead Nitrate&Nitrite

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

[printed on 2/20/98]
## NW 01-054-01 W5M

**Well Owner:** Tradewinds Ind  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd  
**Elevation (AMSL) (m):** 766  
**AEP:** 443979  
**Licence No.:** Easting: 64,749.83  
**Date Started:** Northing: 5,941,485.00  
**Date Completed:** 04 Jun 76

### General
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 71.6 (m)  
- **NPWL (m):** 27.4  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Galvanized Steel  
- **Depth (m):** 61.0  
- **Bottom (m):** 61.0  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Seal Type:**  
- **from (m):** to  
- **Liner:**  
- **Type:**  
- **OD (mm):**  
- **Top (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **Open Hole:**  
- **from (m):** to  
- **Pump:**  
- **Model:**  
- **Intake (m):**  
- **Testing:**  
- **Rate (lpm):** 18.2  
- **Time (minute):** 540.0  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** 57.9  
- **Rec’d Rate (lpm):**  

### Depth Elevation

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<tr>
<td>10.7</td>
<td>Clay Sandy</td>
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<tr>
<td>32.9</td>
<td>Till</td>
</tr>
<tr>
<td>35.0</td>
<td>Sand</td>
</tr>
<tr>
<td>36.0</td>
<td>Till</td>
</tr>
<tr>
<td>43.3</td>
<td>Gravel</td>
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<tr>
<td>55.2</td>
<td>Clay Sandy</td>
</tr>
<tr>
<td>71.6</td>
<td>Shale &amp; Sandstone Soft Gray</td>
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### Laboratory

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Measurement</th>
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<td>Carbonate</td>
<td>DIC (mg/l)</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic (mg/l)</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium (mg/l)</td>
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<td>Sulphate</td>
<td>Beryllium (mg/l)</td>
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<td>Cadmium (mg/l)</td>
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<td>Fluoride</td>
<td>Chromium (mg/l)</td>
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<tr>
<td>Iron</td>
<td>Cobalt (mg/l)</td>
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<tr>
<td>TOC</td>
<td>Copper (mg/l)</td>
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<tr>
<td>Silica</td>
<td>Lead (mg/l)</td>
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<tr>
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<td>m³/day</td>
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<tr>
<td>Gamma Log</td>
<td>Storativity</td>
</tr>
<tr>
<td>Aquifer Test</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Project</td>
<td>Database: 1.000H</td>
</tr>
<tr>
<td>AEP Data</td>
<td>Well Field Verified: Yes</td>
</tr>
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</table>

### Remarks

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
## General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 27.4 m
- **NPWL (m):** 1.000
- **Verified NPWL (m):** 1.000
- **Abandonment:**

## Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **DIC:** Hydroxide
- **Electric Log:** No
- **Transmissivity:** m<sup>2</sup>/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
Well Number 08351

Well Owner: Steel Bros Canada
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 750
AEP: 443974
Licence No.: Easting: 64,820.74
Date Started: 06 Jun 83 Northing: 5,940,424.50
Date Completed: 07 Jun 83

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Industrial
Completed Depth: 18.9 (m)
NPWL (m): 6.1 Verified NPWL (m):
Abandonment:

Casing:
Type: Galvanized Steel
Depth (m): 15.5 Bottom (m): 15.5
OD (mm): 114.3 Thickness (mm):
Seal Type: from (m): to

Liner:
Type: 
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 0.9
from (m): 15.5 to 16.8 Size: 0.01
from (m): to

Open Hole:
from (m): to

Pump:
Model: Intake (m): 9.1

Testing:
Rate (lpm): 22.8 Time (minute): 420.0
Level End (m): 9.1 Drawdown (m): 3.1
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
03-03-054-01 W5M

Well Owner: Imperial Oil
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 748
AEP: 444024
Licence No.: Easting: 61,768.05
Date Started: Northing: 5,940,166.36
Date Completed: 01 Jan 59

<table>
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<th>General:</th>
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<tbody>
<tr>
<td>Type of Work: Flowing Shot Hole</td>
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<tr>
<td>Drilling Method: Unknown</td>
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<tr>
<td>Well Use: Industrial</td>
</tr>
<tr>
<td>Completed Depth: 36.6 (m)</td>
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<tr>
<td>NPWL (m): Verified NPWL (m):</td>
</tr>
<tr>
<td>Abandonment:</td>
</tr>
<tr>
<td>Casing:</td>
</tr>
<tr>
<td>Depth (m): Bottom (m):</td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
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<td>from (m): to</td>
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<td>Liner:</td>
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<td>OD (mm): Thickness (mm):</td>
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<td>Top (m): Bottom (m):</td>
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<td>Perforated How:</td>
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<tr>
<td>from (m): to to Size:</td>
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<tr>
<td>from (m): to to Size:</td>
</tr>
<tr>
<td>from (m): to to Size:</td>
</tr>
<tr>
<td>Screen:</td>
</tr>
<tr>
<td>Material:</td>
</tr>
<tr>
<td>OD (mm): from (m): to to Size:</td>
</tr>
<tr>
<td>from (m): to to Size:</td>
</tr>
<tr>
<td>Open Hole:</td>
</tr>
<tr>
<td>from (m): to</td>
</tr>
<tr>
<td>Pump:</td>
</tr>
<tr>
<td>Model: Intake (m):</td>
</tr>
<tr>
<td>Testing:</td>
</tr>
<tr>
<td>Rate (lpm): Time (minute):</td>
</tr>
<tr>
<td>Level End (m): Drawdown (m):</td>
</tr>
<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
</tr>
</tbody>
</table>

| Laboratory:                   |
| pH (pH unit):                 |
| Cond. (µS/cm):                |
| TDS:                          |
| Sodium:                       |
| Potassium:                    |
| Calcium:                      |
| Magnesium:                    |
| Carbonate:                    |
| Bicarbonate:                  |
| Aluminium:                    |
| Sulphate:                     |
| Chloride:                     |
| Fluoride:                     |
| Iron:                         |
| TOC:                          |
| Silica:                       |
| Laboratory:                   |
| pH (pH unit):                 |
| Cond. (µS/cm):                |
| TDS:                          |
| Sodium:                       |
| Potassium:                    |
| Calcium:                      |
| Magnesium:                    |
| Carbonate:                    |
| Bicarbonate:                  |
| Aluminium:                    |
| Sulphate:                     |
| Chloride:                     |
| Fluoride:                     |
| Iron:                         |
| TOC:                          |
| Silica:                       |

| Lithologic Description:       |
| Depth (m) Elevation (m) (BGL) |
| 29.0 719.0 Clay & Boulders    |
| 36.6 711.4 Shale              |

| Remarks:                      |
| Water Well Positioned by Mow-Tech in 10TM NAD 27 |

Chemical Constituents are in mg/l (ppm). Except as noted.

Printed on 2/20/98
<table>
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<th>General</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>4.6 744.2 Clay Brown</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>12.2 736.6 Silt</td>
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<tr>
<td>Well Use: Domestic &amp; Stock</td>
<td>27.4 721.4 Clay Soft Blue</td>
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<tr>
<td>Completed Depth 45.7 (m)</td>
<td>30.5 718.3 Shale Brown</td>
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<tr>
<td>NPWL (m): 27.4 Verified NPWL (m):</td>
<td>36.6 712.2 Shale Water Bearing Gray</td>
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<td>Abandonment:</td>
<td>39.6 709.2 Shale Brown</td>
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<tr>
<td>Casing: Type: Steel</td>
<td>45.7 703.1 Shale Gray</td>
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<tr>
<td>Depth (m): 31.7 Bottom (m): 31.7</td>
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<td>OD (mm): 115.8 Thickness (mm):</td>
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<td>Seal Type: from (m): to</td>
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<td>Top (m): Bottom (m):</td>
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<td>Perforated How: from (m): to Size:</td>
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<td>Screen: Material: Steel</td>
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<td>OD (mm): from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<td>Open Hole: from (m): to</td>
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<tr>
<td>Pump: Model: Intake (m):</td>
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<td>Testing: Rate (lpm): 18.2 Time (minute): 1500.0</td>
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<td>Level End (m): Drawdown (m):</td>
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<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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Laboratory: 29 May 78

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<td>11.10</td>
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<td>Nitrate&amp;Nitrite N</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks: Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 08354**

**Well Owner:** Radcliffe, Frank  
**Elevation (AMSL) (m):** 773  
**Licence No.:** AEP 444025  
**Date Started:**  
**Easting:** 62,636.31  
**Drilling Contractor:** Unknown Driller  
**Northing:** 5,941,124.50  
**Date Completed:**

---

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 61.0 (m)  
- **NPWL (m):** 42.7  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **Thickness (mm):** from (m): to Size:  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec’d intake (m):** Rec’d Rate (lpm):  

### Laboratory:
- **20 Aug 70**  
- **pH (pH unit):**  
- **Cond. (µS/cm):** 1310  
- **TDS:** 908.0  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite 0.06  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- **Sulphate:** 231.98  
- **Chloride:** 2.13  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:** Storativity:  
- **Aquifer Test:** No  
- **Project:**  

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

Water Well Positioned by PFRA in 10TM NAD 27

---

printed on 2/20/98
Well Number: 08355

Drilling Contractor: McGinn, Gerald Drilling Ltd.

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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 78.9 (m)</td>
<td>Drilling Contractor: Northing:</td>
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<tr>
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<table>
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<td>from (m): to Size:</td>
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<tr>
<td>from (m): to</td>
<td>Size:</td>
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<td>from (m): to</td>
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<td>Intake (m): 38.1</td>
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<th>Mercury</th>
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<td>Strontium</td>
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<td>TOC</td>
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<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
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| Electric Log: No | | | |
| Gamma Log: No | | | |
| Aquifer Test: No | | | |
| Project: | Database: 1.000H | | |
| AEP Data: Yes | Well Field Verified: No | | |

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 08356

Mathiesen, Perry

Elevation (AMSL) (m): 752

Drilling Contractor: Irmc Water Well Service & Supply Co. Ltd

AEP: 444021

Licence No.: 62,313.52

Date Started: 07 Jul 86

Northing: 5,940,551.50

Date Completed: 10 Jul 86

Well Position: West of East

Well Use: Domestic

Completed Depth: 80.8

NPWL (m): 25.9

Abandonment:

Casing:

Type: Plastic

Depth (m): 33.5

Bottom (m): 33.5

OD (mm): 152.4

Thickness (mm):

Seal Type: Driven

from (m): to 33.5

Liner:

Type:

OD (mm): 114.3

Thickness (mm):

Top (m): 33.5

Bottom (m): 80.8

Perforated How: Machine

from (m): to 80.8

Size:

from (m): to Size:

from (m): to Size:

Screen:

Material:

OD (mm):

from (m): to Size:

from (m): to Size:

Open Hole:

from (m): to

Pump:

Model: Sub

Intake (m): 45.7

Testing:

Rate (lpm): 36.5

Time (minute): 300.0

Level End (m): 45.7

Drawdown (m): 19.8

Rec'd intake (m): 45.7

Rec'd Rate (lpm): 36.5

Laboratory:

pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**Well Number:** 08357  

**Well Owner:** Howell, Robert  
**Drilling Contractor:** Unknown Driller  

**Elevation (AMSL) (m):** 753  
**AEP:** 444023  
**Date Started:**  
**Northing:** 5,940,235.50  
**Date Completed:**  

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<td><strong>(m)</strong></td>
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**Abandonment:**

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<td>Thickness (mm):</td>
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<td>Bottom (m):</td>
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<td><strong>from (m):</strong></td>
<td>to</td>
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<td><strong>from (m):</strong></td>
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<td><strong>from (m):</strong></td>
<td>to</td>
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<td><strong>Time (minute):</strong></td>
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<td><strong>Drawdown (m):</strong></td>
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<tr>
<td><strong>Chemical Constituents are in mg/l (ppm). Except as noted.</strong></td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 22.9 (m)
- **NPWL (m):** 4.3
- **Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 7.6
- **Bottom (m):** 7.6
- **OD (mm):** 115.8
- **Thickness (mm):** 0.0

**Seal Type:**
- from (m): to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**
- from (m): to
- from (m): to
- from (m): to

**Screen:**
- **Material:** St
- **OD (mm):** 1.2
- **from (m):** 7.6
- **to:** 8.8
- **Size:** 0.01

**Open Hole:**
- from (m): to

**Pump:** 75
- **Model:**
- **Intake (m):** 4.6

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 60.0
- **Level End (m):** 4.6
- **Drawdown (m):** 0.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**

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<td><strong>Silica</strong></td>
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**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Well Number 08358**

- **Well Owner:** Mclean, Bill
- **Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.
- **Elevation (AMSL) (m):** 759
- **AEP:** 444032
- **Licence No.:** Easting: 59,652.76
- **Date Started:** Northing: 5,941,607.50
- **Date Completed:** 15 Aug 76
- **Well Field Verified:** Yes

**Depth Elevation**

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<th>Depth (m)</th>
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<tr>
<td>Clay</td>
<td>3.7</td>
</tr>
<tr>
<td>Sand Gray</td>
<td>8.8</td>
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<tr>
<td>Clay</td>
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<td>Sandstone</td>
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<tr>
<td>Clay</td>
<td>22.9</td>
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</tbody>
</table>

**Chemical Constituents:**

- **Barium**
- **Bicarbonate**
- **Carbonate**
- **Chloride**
- **Fluoride**
- **Iron**
- **Manganese**
- **Nitrate**
- **Nitrite**
- **Silica**
- **Sodium**
- **Sulphate**
- **Calcium**

**Well Field Verified:** No

**Project:** 1.000H

**Water Well Positioned by PFRA in 10TM NAD 27**

*Printed on 2/20/98*
General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 67.1 m
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): to

Liner:
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- 17 May 67
- pH (pH unit)
- Cond. (µS/cm)
- TDS 770.0
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate 99.90
- Chloride
- Fluoride
- Iron 0.60
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Selenium
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Arsenic
- Total Hardness 60.00
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity 521.0
- Nitrate
- Nitrite N
- Lead
- Nitrate&Nitrite N
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Well Number 08359
- Well Owner: Van Soest, B.
- Drilling Contractor: Unknown Driller
- Elevation (AMSL) (m): 779
- Licence No.: 444035
- Date Started: Easting: 60,985.97
- Date Completed: Northing: 5,941,391.00
- AEP Data: Yes
- Well Field Verified: No

Depth Elevation (BGL) (AMSL) (m) Lithologic Description

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
Well Number 08360

Well Owner: Kloeck, Alfred
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 763
AEP: 444028
Licence No.: Easting: 59,669.00
Date Started: Northing: 5,941,257.00
Date Completed:

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<tr>
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<th>Elevation</th>
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<tr>
<td>Type of Work: Chemistry</td>
<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Unknown</td>
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<tr>
<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth 61.0</td>
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<tr>
<td>NPWL (m): 15.9</td>
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<tr>
<td>Verified NPWL (m):</td>
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<tr>
<td>Abandonment:</td>
<td></td>
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<td>Casings:</td>
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<tr>
<td>Type:</td>
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<tr>
<td>Depth (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Seal Type:</td>
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</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
</tr>
<tr>
<td>Liner:</td>
<td></td>
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<tr>
<td>Type:</td>
<td></td>
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<tr>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
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<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
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<tr>
<td>Perforated How:</td>
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<td></td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
</tbody>
</table>

Screen: | |
| Material: | |
| OD (mm): | |
| from (m): | to | Size: |
| from (m): | to | Size: |

Open Hole: | |
| from (m): | to |

Pump: | |
| Model: | Intake (m): |

Testing: | |
| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec'd intake (m): | Rec'd Rate (lpm): |

Laboratory: 13 Aug 75

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Value</th>
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<td>pH (pH unit)</td>
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<td>TDS</td>
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<td>0.23</td>
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<tr>
<td>TOC</td>
<td>460.0</td>
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<tr>
<td>Silica</td>
<td>1.06</td>
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</table>

Electric Log: No | Transmissivity: m²/day |
Gamma Log: No | Storativity: |
Aquifer Test: No | Project: Database: 1.000H |
AEP Data: Yes | Well Field Verified: No |

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 04-054-01 W5M**

**Well Owner:** Ran Dac Limousin

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth Elevation</th>
</tr>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>(m)</td>
</tr>
<tr>
<td><strong>Drilling Method:</strong> Rotary</td>
<td>(m)</td>
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<tr>
<td><strong>Well Use:</strong> Unknown</td>
<td>(m)</td>
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<td><strong>Completed Depth:</strong> 73.2</td>
<td><strong>Lithologic Description</strong></td>
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<tr>
<td><strong>NPWL (m):</strong> 48.8</td>
<td>17.7 745.4 Clay Yellow</td>
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<tr>
<td><strong>Abandonment:</strong></td>
<td>25.0 738.1 Shale Brittle Green</td>
</tr>
<tr>
<td><strong>Casing:</strong></td>
<td>25.9 737.2 Shale Gray</td>
</tr>
<tr>
<td><strong>Type:</strong> Steel</td>
<td>26.8 736.3 Shale Brittle Gray</td>
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<tr>
<td><strong>Depth (m):</strong> 54.6</td>
<td>30.2 733.0 Shale Sandy Gray</td>
</tr>
<tr>
<td><strong>Bottom (m):</strong> 54.6</td>
<td>36.6 726.6 Shale Green</td>
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<tr>
<td><strong>OD (mm):</strong> 141.2</td>
<td>38.7 724.4 Shale Sandy Gray</td>
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<tr>
<td><strong>Thickness (mm):</strong> 0.1</td>
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<td><strong>Seal Type:</strong> Formation Seal</td>
<td>51.5 711.6 Shale Sandy Gray</td>
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<td><strong>from (m):</strong> to 54.6</td>
<td>55.5 707.7 Shale Green</td>
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<tr>
<td><strong>Liner:</strong></td>
<td>57.3 705.8 Shale Sandy Gray</td>
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<tr>
<td><strong>Type:</strong></td>
<td>57.6 705.5 Shale Green</td>
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<tr>
<td><strong>OD (mm):</strong> 114.3</td>
<td>64.0 699.1 Shale Sandy Gray</td>
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<td><strong>Thickness (mm):</strong></td>
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<td><strong>Top (m):</strong> 54.6</td>
<td>73.2 690.0 Shale Green</td>
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<td><strong>Bottom (m):</strong> 72.2</td>
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<tr>
<td><strong>Perforated How:</strong> Machine</td>
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<tr>
<td><strong>from (m):</strong> to 72.2</td>
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<td>Size:</td>
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<td>from (m): to Size:</td>
</tr>
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<td></td>
<td>from (m): to Size:</td>
</tr>
<tr>
<td><strong>Screen:</strong></td>
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</tr>
<tr>
<td><strong>Material:</strong></td>
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</tr>
<tr>
<td><strong>OD (mm):</strong></td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td></td>
</tr>
<tr>
<td><strong>Open Hole:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>from (m):</strong> to</td>
<td></td>
</tr>
<tr>
<td><strong>Pump:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Model:</strong></td>
<td>Intake (m): 53.3</td>
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<tr>
<td><strong>Testing:</strong></td>
<td></td>
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<tr>
<td><strong>Rate (lpm):</strong> 22.8</td>
<td>Time (minute): 420.0</td>
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<td>Drawdown (m): 4.6</td>
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<td><strong>Rec’d intake (m):</strong></td>
<td>Rec’d Rate (lpm):</td>
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<th>Laboratory:</th>
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<td><strong>Potassium:</strong></td>
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<td><strong>Magnesium:</strong></td>
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<td><strong>Carbonate:</strong></td>
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<td><strong>Bicarbonate:</strong></td>
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<td><strong>Aluminium:</strong></td>
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<td><strong>Sulphate:</strong></td>
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<td><strong>Chloride:</strong></td>
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<td><strong>Fluoride:</strong></td>
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<td><strong>Iron:</strong></td>
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<td><strong>TOC:</strong></td>
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</tr>
<tr>
<td><strong>Silica:</strong></td>
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<tr>
<td><strong>Open Hole:</strong></td>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
</tr>
<tr>
<td><strong>Perforated How:</strong></td>
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<tr>
<td><strong>Screen:</strong></td>
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</tbody>
</table>
| **Casing:** | }

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 61.0
- **Verified NPWL (m):**
- **Abandonment:**

#### Casing:
- **Type:**
- **Depth (m):**
- **Bottom (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

#### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

#### Open Hole:
- **from (m):**

#### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

### Laboratory:
- **02 Apr 76**
- **pH (pH unit):** 8.30
- **Cond. (µS/cm):** 1300
- **TDS:** 871.0
- **COD:** 1300
- **SAR:** 1300
- **Nickel:**
- **TKN:** 0.05
- **Selenium:**
- **Nitrates:**
- **Strontium:**
- **Molybdenum:**
- **Vanadium:**
- **Calcium:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Total Hardness:**
- **Phosphate:**
- **Cadmium:**
- **Beryllium:**
- **Phosphate:**
- **Cadium:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Nitrate:**
- **Molybdenum:**
- **Zinc:**
- **Nitrite:**
- **Potassium:**
- **Silica:**
- **Bicarbonate:**
- **Hydroxide:**
- **Arsenic:**
- **Sodium:**
- **Strontium:**
- **Barium:**
- **Phosphate:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

### Well Number 08362
- **Elevation (AMSL) (m):** 766
- **AEP:** 444027
- **Easting:** 60,848.30
- **Northing:** 5,940,320.00
- **Date Started:**
- **Date Completed:**
- **Licence No.:**

### Depth Elevation
<table>
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<th>(BGL)</th>
<th>(AMSL)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(No Lithologic Information Available)</td>
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</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Database:** Project: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

*Water Well Positioned by PFRA in 10TM NAD 27*

*printed on 2/20/98*
**SE 04-054-01 W5M**

**Well Owner:** Jeans, Ronald  
**Drilling Contractor:** Unknown Driller

**Well Number:** 08363  
**Elevation (AMSL) (m):** 766  
**AEP:** 449064  
**Licence No.:** 60,848.30  
**Date Started:**  
**Date Completed:**  
**Northing:** 5,940,320.00

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 42.7  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
- **Seal Type:**  
  - **from (m):** to  
- **Liner:**  
  - **Type:**  
    - **OD (mm):** Thickness (mm):  
    - **Top (m):** Bottom (m):  
    - **Perforated How:**  
      - **from (m):** to **Size:**  
      - **from (m):** to **Size:**  
      - **from (m):** to **Size:**  
- **Screen:**  
  - **Material:**  
    - **OD (mm):**  
      - **from (m):** to **Size:**  
      - **from (m):** to **Size:**  
- **Open Hole:**  
  - **from (m):** to  
- **Pump:**  
  - **Model:**  
  - **Intake (m):**  
- **Testing:**  
  - **Rate (lpm):**  
  - **Time (minute):**  
  - **Level End (m):** Drawdown (m):  
  - **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory

**08 May 73**

- **pH (pH unit):** 7.70  
- **Cond. (µS/cm):** 1275  
- **TDS:** 920.0  
- **Sodium:** 218.96  
- **Nitrate:** Strontium  
- **Potassium:** 1.56  
- **Nitrite:** Molybdenum  
- **Calcium:** 5.01  
- **TN:** Vanadium  
- **Magnesium:** 7.05  
- **TC:** Zinc  
- **Carbonate:** DIC  
- **Bicarbonate:** 639.99  
- **Arsenic:** Total Hardness 46.00  
- **Aluminum:** Barium  
- **Manganese:**  
- **Sulphate:** 39.86  
- **Beryllium:** Phosphate  
- **Chloride:** 1.06  
- **Cadmium:** Ion Balance 0.92  
- **Fluoride:** 0.64  
- **Chromium:** Amm. Nitrogen  
- **Iron:** 2.10  
- **Cobalt:** Total Phosphate  
- **TOC:** Copper  
- **Total Alkalinity:** 525.0  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 70.1 (m)
  - NPWL (m): 45.7
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 57.3
    - **Bottom (m):** 57.3
  - **OD (mm):** 114.3
    - **Thickness (mm):** 0.0
  - **Seal Type:** Driven
    - from (m): to
- **Liner:**
  - **Type:**
  - **OD (mm):** 76.2
    - **Thickness (mm):**
    - **Top (m):** to
      - **Bottom (m):** 70.1
  - **Perforated How:** Machine
    - from (m): 61.0 to 70.1
    - **Size:**
    - from (m): to
    - **Size:**
    - from (m): to
      - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - from (m): to
    - from (m): to
      - **Size:**
  - **Open Hole:**
    - from (m): to
  - **Pump:**
    - **Model:**
    - **Intake (m):** 53.3
  - **Testing:**
    - **Rate (lpm):** 27.4
      - **Time (minute):** 120.0
    - **Level End (m):** 53.3
      - **Drawdown (m):** 7.6
    - **Rec'd intake (m):** 56.4
      - **Rec'd Rate (lpm):** 27.4

**Laboratory:**

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<th>Chemical Constituents</th>
<th>Value</th>
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<tbody>
<tr>
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<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS</td>
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<td>Sodium</td>
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<td>Strontium</td>
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<td>Magnesium</td>
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<td>Carbonate</td>
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<td>Total Hardness</td>
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<td>Silica</td>
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<td>Lead</td>
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<tr>
<td>Nitrate&amp;Nitrite N</td>
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**Electric Log:** No  **Transmissivity:** m²/day  **Gamma Log:** No  **Storativity:**  **Aquifer Test:** No  **Project:** Database: 1.00H  **AEP Data:** Yes  **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**02-05-054-01 W5M**

**Well Owner:** Prince, Norm  
**Drilling Contractor:** Grove Drilling Enterprises (1980) Ltd.

<table>
<thead>
<tr>
<th>General:</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
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<tr>
<td>Drilling Method: Rotary</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
</tr>
<tr>
<td>Completed Depth: 54.9 (m)</td>
</tr>
<tr>
<td>NPWL (m): 39.6</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
</tr>
<tr>
<td>Abandonment:</td>
</tr>
</tbody>
</table>

**Casing:**
- Type: Steel
- Depth: 47.2 (m)
- Bottom: 47.2 (m)
- OD (mm): 115.8
- Thickness (mm): 0.0

**Seal Type:** Drive Shoe
- from (m): to 47.2

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:** Sub
- Model: Intake (m): 54.9

**Testing:**
- Rate (lpm): 27.4
- Time (minute): 420.0
- Level End (m): 48.8
- Drawdown (m): 5.1
- Rec'd intake (m): 44.2
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD: Mercury
- Cond. (µS/cm): SAR: Nickel
- TDS: TKN: Selenium
- Sodium: Nitrate: Strontium
- Potassium: Nitrite: Molybdenum
- Calcium: TN: Vanadium
- Magnesium: TC: Zinc
- Carbonate: DIC: Hydroxide
- Bicarbonate: Arsenic: Total Hardness
- Aluminium: Barium: Manganese
- Sulphate: Beryllium: Phosphate
- Chloride: Cadmium: Ion Balance
- Fluoride: Chromium: Amm. Nitrogen
- Iron: Cobalt: Total Phosphate
- TOC: Copper: Total Alkalinity
- Silica: Lead: Nitrate&Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevations (BGL) (AMSL):**
- 4.6 753.0 Clay Sandy
- 48.8 708.8 Lost Circulation
- 54.9 702.7 Shale & Sandstone Fractured

**Electric Log: No**
**Transmissivity:** m³/day
**Gamma Log: No**
**Storativity:**
**Aquifer Test: No**
**Project:**
**Database:** 1.000H

AEP Data: Yes  Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**Well Number: 08366**

**Well Owner:** Yu, Terry/Gabriel  
**Drilling Contractor:** D&D Water Well Drilling & Services

**Elevation (AMSL) (m): 771**  
**AEP:** 379704  
**Licence No.:** Easting: 58,724.23  
**Date Started:** 06 Apr 94  
**Northing:** 5,940,637.50  
**Date Completed:** 07 Apr 94

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 58.8 (m)  
  - **NPWL (m):** 39.3  
- **Abandonment:**  
- **Type:** Plastic  
- **Depth (m):** 36.6  
  - **Bottom (m):** 36.6  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 36.6

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
  - **Thickness (mm):** 0.1  
- **Top (m):** 34.8  
  - **Bottom (m):** 58.8  
- **Perforated How:** Saw  
- **from (m):** to 36.9

### Screen:
- **Material:**  
- **OD (mm):**  
  - **from (m):** to  
- **from (m):** to  
- **from (m):** to

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):** 58.8

### Testing:
- **Rate (lpm):**  
- **Time (minute):** 120.0  
- **Level End (m):** 39.3  
- **Drawdown (m):**  
- **Rec'd intake (m):** 45.7  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Strontium:**  
- **Potassium:**  
- **Nitrite:**  
- **Molybdenum:**  
- **Calcium:**  
- **TN:**  
- **Vanadium:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminium:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrate&Nitrite N:**  

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- No  
- Transmissivity: m²/day  
- Gamma Log: No  
- Storativity:  
- Aquifer Test: No  
- Project: Database: 1,000H  
- AEP Data: Yes  
- Well Field Verified: No

### Depths & Elevations:
- **Lithologic Description**
  - 7.0 763.5 Clay Sandy Yellow  
  - 8.5 762.0 Sand & Gravel  
  - 15.9 754.7 Clay Blue  
  - 22.6 748.0 Clay Yellow  
  - 33.8 736.7 Shale Brittle Gray  
  - 40.8 729.7 Shale Gray  
  - 54.3 716.3 Sandstone Lost Circulation  
  - 58.8 711.7 Shale Gray

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
### NE 05-054-01 W5M

**Well Owner:** Brown, R.S.

**Drilling Contractor:** Morrill’s Water Well Drilling Ltd.

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<tr>
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<td>Elevation (AMSL) (m):</td>
<td>771</td>
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<td>Licence No.:</td>
<td>444118</td>
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<td>Date Started:</td>
<td>15 Jul 70</td>
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<td>Date Completed:</td>
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#### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 27.4 m
  - **NPWL (m):** 18.3
- **Abandonment:** —

#### Casing:
- **Type:** Galvanized Steel
  - **Depth (m):** 12.2
    - **Bottom (m):** 12.2
- **OD (mm):** 127.0
- **Thickness (mm):** —
- **Seal Type:** —
- **from (m):** to

#### Liner:
- **Type:** —
  - **Thickness (mm):** —
- **from (m):** to
- **Top (m):** —
- **Bottom (m):** —

#### Screen:
- **Material:** —
  - **Thickness (mm):** —
- **from (m):** to
  - **Size:** —
- **from (m):** to
  - **Size:** —
- **from (m):** to
  - **Size:** —

#### Open Hole:
- **from (m):** to

#### Pump:
- **Model:** —
- **Intake (m):** —

#### Testing:
- **Rate (lpm):** 410.5
  - **Time (minute):** —
  - **Level End (m):** —
  - **Drawdown (m):** —
  - **Rec’d intake (m):** —
  - **Rec’d Rate (lpm):** —

#### Laboratory:
- **pH (pH unit):** —
- **COD:** Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate & Nitrite N

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Date Printed:** 2/20/98
**NW 05-054-01 W5M**

**Well Number:** 08368

**Well Owner:** Guenther, Jerry

**Drilling Contractor:** Summer's Drilling Ltd.

**Elevation (AMSL) (m):** 775

**AEP:** 360265

**Licence No.:**

**Date Started:** 16 May 91

**Easting:** 58,517.34

**Nothing:** 5,941,097.50

**Date Completed:** 18 May 91

<table>
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<tr>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tr>
<td>7.3</td>
<td>767.6</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>13.7</td>
<td>761.2</td>
<td>Sand Fine Grained Light Brown</td>
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<tr>
<td>14.6</td>
<td>760.3</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>15.9</td>
<td>759.1</td>
<td>Sand</td>
</tr>
<tr>
<td>16.1</td>
<td>758.8</td>
<td>Clay Blue</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** New Well
- **Drilling Method:** Bored
- **Well Use:** Domestic
- **Completed Depth:** 16.1 (m)
- **NPWL (m):** 7.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 16.1
- **OD (mm):** 609.6
- **Thickmess (mm):** 0.0
- **Seal Type:** Puddled Clay
- **from (m):** to 6.1

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:** St
- **OD (mm):** 7.3
- **from (m):** 14.0 to 14.6
- **Size:** 0.01
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 13.7

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 7.0
- **Drawdown (m):** 4.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrile:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**AEP Data:** Yes

**Database:** 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 05-054-01 W5M**

**Well Owner:** Jorgenson, L.  
**Drilling Contractor:** Cobob Pumps And Services Ltd.  

<table>
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<tr>
<th>Well Number: 08369</th>
<th>Elevation (AMSL) (m): 775</th>
<th>AEP: 435741</th>
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<tr>
<td>Licence No.:</td>
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<tr>
<td>Date Started: 23 Nov 95</td>
<td>Date Completed: 30 Nov 95</td>
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### General:

- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 97.5 (m)  
- **NPWL (m):** 57.0  
- **Verified NPWL (m):**  
- **Abandonment:**

#### Casing:

- **Type:** Plastic  
- **Depth (m):** 73.2  
- **Bottom (m):** 73.2  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven & Shale Trap  
- **from (m):** 70.1  
- **to:** 73.2

#### Liner:

- **Type:**  
- **OD (mm):** 101.6  
- **Thickness (mm):** 0.1  
- **Top (m):** 71.6  
- **Bottom (m):** 97.5  
- **Perforated How:** Machine  
  - **from (m):** 85.3  
  - **to:** 91.4  
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

#### Screen:

- **Material:**  
- **OD (mm):**
  - **from (m):**
  - **to:**  
  - **Size:**
  - **from (m):**
  - **to:**  
  - **Size:**

#### Open Hole:

- **from (m):**
- **to:**

#### Pump:

- **Model:** Gould 7g07 122  
- **Intake (m):** 67.1  

### Testing:

- **Rate (lpm):** 45.6  
- **Time (minute):** 120.0  
- **Level End (m):** 59.1  
- **Drawdown (m):** 2.1  
- **Reç'd Rate (lpm):**  
- **Reç'd intake (m):**

#### Laboratory:

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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<td>TOC</td>
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<tr>
<td>Silica</td>
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</tbody>
</table>

#### Electric Log:

- **No**  
- **Transmissivity:** m²/day

#### Gamma Log:

- **No**  
- **Storativity:**

#### Aquifer Test:

- **No**  
- **Project:**
- **Database:** 1.000H

#### AEP Data:

- **Yes**  
- **Well Field Verified:** No

Water Well Positioned by PFRA in 10TM NAD 27
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.7 m
- **NPWL (m):** 24.7
- **Verified NPWL (m):**
- **Abandonment:**

## Casing:
- **Type:** Plastic
- **Depth (m):** 43.9 m
- **Bottom (m):** 43.9
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Shale Trap & Welded
- **from (m):** to 43.9

## Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 43.0
- **Bottom (m):** 67.7
- **Perforated How:** Other
- **from (m):** 45.7 to 67.1
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 180.0
- **Level End (m):** 36.6
- **Drawdown (m):** 11.3
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

## Chemical Constituents:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Total Alkalinity:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate+Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

## Laboratory:

## Remarks:

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 39.6 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

### Liner:
- **Type:**
  - **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Size:** from (m): to Size:

### Screen:
- **Material:**
  - **OD (mm):** from (m): to Size:
  - **Size:** from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
  - **Intake (m):**

### Testing:
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory: **31 Jan 64**

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### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Well Number 08371**

- **Well Owner:** Kozyra, John
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 767
- **AEP:** 444038
- **Date Started:**
- **Date Completed:**
- **Easting:** 58,971.93
- **Northing:** 5,940,464.50
- **Licence No.:**

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---
**Well Owner:** Chomyshen, J.  
**Well Number:** 08372  
**Well Owner:** AEP  
**Elevation (AMSL) (m):** 772  
**Licence No.:** 444089  
**Date Started:**  
**Date Completed:**  
**Easting:** 58,335.11  
**Northing:** 5,940,563.00

### General

- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth:** 67.1 (m)  
- **NPWL (m):** 53.3  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing

- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner

- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to  
- **Size:** from (m): to  

### Screen

- **Material:**  
- **OD (mm):** from (m): to Size:  
- **Thickness (mm):** from (m): to Size:  

### Open Hole

- **from (m):** to  

### Pump

- **Model:**  
- **Intake (m):**  

### Testing

- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory

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### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic

**Well Information:**
- Well Owner: Chomyshew
- Well Number: 08373
- Elevation (AMSL) (m): 772
- AEP: 444043
- Licence No.: Easting: 58,335.11
- Date Started: Northing: 5,940,563.00
- Date Completed:

**Casing:**
- Type:  
  - Depth (m): Bottom (m):  
  - OD (mm): Thickness (mm):  
- Seal Type:  
  - from (m): to

**Liner:**
- Type:  
  - OD (mm): Thickness (mm):  
  - Top (m): Bottom (m):  
- Perforated How:  
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:

**Screen:**
- Material:  
  - OD (mm):  
    - from (m): to Size:  
    - from (m): to Size:  
- Open Hole:  
  - from (m): to

**Pump:**
- Model:  
  - Intake (m):
- Testing:
  - Rate (lpm): Time (minute):  
  - Level End (m): Drawdown (m):  
  - Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**
- 12 Oct 76
- pH (pH unit): 7.70
- Cond. (µS/cm): 1040
- TDS: 652.0
- Sodium: 146.05
- Potassium: 1.96
- Calcium: 60.92
- Magnesium: 16.97
- Carbonate: DIC
- Bicarbonate: 604.00
- Aluminium: Barium
- Sulphate: 125.84
- Chloride: Cadmum
- Fluoride: 0.09
- Iron: 0.40
- TOC: Copper
- Silica: Lead
- COD: Mercury
- SAR: Nickel
- TKN: Selenium
- Nitrate: Strontium
- Nitrite: Molybdenum
- Beryllum: Phosphate
- Ammonium: Vanadium
- Total Hardness: 231.00
- Arsenic: Calcium
- Total Phosphate: Manganese
- Phosphate: Ion Balance
- Chromium: Amm. Nitrogen
- Copper: Total Alkalinity: 495.0
- Lead: Nitrate & Nitrite

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 59.7 (m)
- **NPWL (m):** 48.8 Verified NPWL (m):

**Abandonment:**
- **Type:** Galvanized Steel
- **Depth (m):** 55.2
- **Bottom (m):** 55.2
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Formation P
- **from (m):** to 55.2

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):**

**Pump:**
- **Model:**
- **Intake (m):** 48.8

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:** 25 Oct 76
- **pH (pH unit):** 7.70
- **Cond. (μS/cm):** 990.0
- **TDS:** 715.0
- **Sodium:** 157.0
- **Nitrate:**
- **Strontium:**
- **Potassium:** 1.56
- **Nitrite:**
- **Molybdenum:**
- **Calcium:** 116.03
- **Magnesium:** 14.96
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Arsenic:**
- **Total Hardness:** 353.00
- **Bicarbonate:** 566.17
- **Barium:**
- **Manganese:**
- **Sulphate:** 145.05
- **Beryllium:**
- **Phosphate:**
- **Chloride:** 2.13
- **Cadium:**
- **Ion Balance:** 1.13
- **Fluoride:** 0.07
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:** 0.60
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 464.0
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
- **Transmissivity:**
- **m³/day**
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:**
- **Database:** 1.000H

**AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**Well Number: 08375**

**Well Owner:** Couves, C.J.  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 771  
**AEP:** 448168  
**Date Started:**  
**Easting:** 58,338.19  
**Date Completed:**  
**Northing:** 5,940,575.00

### General

| Type of Work: | Chemistry |
| Drilling Method: | Unknown |
| Well Use: | Domestic |
| Completed Depth (m): | 61.0 |
| NPWL (m): | 50.3 |
| Veriﬁed NPWL (m): |  |
| Abandonment: |  |

### Casing

| Type: |  |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: |  |
| from (m): | to |

### Liner

| Type: |  |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: |  |
| from (m): | to | Size: |
| from (m): | to | Size: |
| from (m): | to | Size: |

### Screen

| Material: |  |
| OD (mm): |  |
| from (m): | to | Size: |
| from (m): | to | Size: |
| Open Hole: |  |
| from (m): | to |

### Pump

| Model: | Intake (m): |
| Testing: |  |
| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec’d intake (m): | Rec’d Rate (lpm): |

### Laboratory

| pH (pH unit): | 8.20 |
| Cond. (µS/cm): | 1042 |
| TDS | 605.0 |
| Sodium | 109.94 |
| Potassium | 1.96 |
| Calcium | 77.96 |
| Magnesium | 17.02 |
| Carbonate | 541.77 |
| Bicarbonate |  |
| Aluminium |  |
| Sulphate | 129.20 |
| Chloride |  |
| Fluoride | 0.07 |
| Iron | 0.14 |
| TOC |  |
| Silica | 15.00 |
| COD |  |
| SAR |nickel |
| TKN |  |
| Nitrate |  |
| Nitrite |  |
| Arsenic |  |
| Barium |  |
| Beryllium |  |
| Cadmium |  |
| Chromium |  |
| Cobalt |  |
| Copper |  |
| Mercury |  |
| Nickel |  |
| Selenium |  |
| Strontium |  |
| Molybdenum |  |
| Vanadium |  |
| Zinc |  |
| Hydroxide |  |
| Arsenic | 1701 |
| Barium |  |
| Cadmium |  |
| Chromium |  |
| Cobalt |  |
| Copper |  |
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| Selenium |  |
| Strontium |  |
| Molybdenum |  |
| Vanadium |  |
| Zinc |  |
| Hydroxide |  |
| Arsenic | 1701 |
| Barium |  |
| Cadmium |  |
| Chromium |  |
| Cobalt |  |
| Copper |  |
| Mercury |  |
| Nickel |  |
| Selenium |  |
| Strontium |  |
| Molybdenum |  |
| Vanadium |  |
| Zinc |  |
| Hydroxide |  |

| Chemical Constituents are in mg/l (ppm). Except as noted. |

### Electric Log

| Electric Log: | No |
| Transmissivity: | m²/day |
| Gamma Log: | No |
| Storativity: |  |
| Aquifer Test: | No |
| Project: |  |
| AEP Data: | Yes |
| Database: | 1.000H |

### Remarks

Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
Well Owner: Donald, Edie
Drilling Contractor: McGinn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 772
Licence No.: 351994
Date Started: 01 Aug 90
Date Completed: 03 Aug 90

Well Number 08376

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 74.4 (m)
- NPWL (m): 54.9
- Verified NPWL (m):
- Abandonment:

Casing:
- Type: Steel
- Depth (m): 60.0
- Bottom (m): 60.0
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
- from (m): 60.0
- to: 60.0

Liner:
- Type: Driven
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): 60.0
- Bottom (m): 73.5
- Perforated How: Torch
- from (m): 60.0
- to: 73.5
- Size:
  - from (m): to
  - Size:

Screen:
- Material:
- OD (mm):
  - from (m): to
  - Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):
- Rate (lpm): 31.9
- Time (minute): 420.0
- Level End (m): 54.9
- Rec'd Intake (m): Rec'd Rate (lpm):

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Depth Elevation
(BGL) (AMSL)
(m) (m)

Lithologic Description
- 5.5 766.1 Clay Yellow
- 16.5 755.1 Clay Blue
- 18.3 753.3 Shale Gray
- 34.4 737.2 Clay Yellow
- 35.4 736.2 Shale Green
- 59.7 711.9 Clay Yellow
- 64.6 707.0 Shale Green
- 65.2 706.4 Shale Gray
- 65.8 705.8 Shale Sandy Gray
- 68.3 703.3 Shale Gray
- 74.1 697.5 Shale Sandy Gray
- 74.4 697.2 Shale Gray

Electric Log: No
Gamma Log: No
Aquifer Test: No
Project: Database: 1.000H

Transmissivity: m²/day
Storativity:
Total Hardness
Total Phosphate
Total Alkalinity
Nitrate
Nitrite
Ion Balance
Amm. Nitrogen

Well Field Verified: No
**Well Number**: 08377

**Well Owner**: Henderson, Robert

**Drilling Contractor**: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m)**: 772  
**AEP**: 444057

**Licence No.**:  
**Easting**: 58,335.11

**Date Started**: 10 Oct 79  
**Northing**: 5,940,563.00

**Date Completed**: 11 Oct 79

### General

- **Type of Work**: New Well  
- **Drilling Method**: Rotary  
- **Well Use**: Domestic

**Completed Depth**: 65.2 (m)  
**NPWL (m)**: 48.8  
**Verified NPWL (m)**:  

**Abandonment**:  
**Type**: Galvanized Steel

**Depth (m)**: 56.7  
**Bottom**: 56.7  
**OD (mm)**: 114.3  
**Thickness (mm)**:  

**Seal Type**: Formation Seal

**from (m)**:  
**to**: 56.7

### Casing

**Type**: Galvanized Steel

**Depth (m)**: 56.7  
**Bottom**: 56.7  
**OD (mm)**: 114.3  
**Thickness (mm)**:  

**Seal Type**: Formation Seal

**from (m)**:  
**to**: 56.7

### Liner

**Type**:  
**OD (mm)**:  
**Thickness (mm)**:  
**Top (m)**:  
**Bottom (m)**:  

**Perforated How**:  
**from (m)**:  
**to**:  
**Size**:  

**from (m)**:  
**to**:  
**Size**:  

**from (m)**:  
**to**:  
**Size**:  

### Screen

**Material**:  
**OD (mm)**:  
**from (m)**:  
**to**:  
**Size**:  

**from (m)**:  
**to**:  
**Size**:  

**Open Hole**:  
**from (m)**:  
**to**:

### Pump

**Model**:  
**Intake (m)**: 50.3

**Testing**:  
**Rate (lpm)**: 31.9  
**Time (minute)**: 420.0  
**Level End (m)**:  
**Drawdown (m)**: 1.5

**Rec'd intake (m)**:  
**Rec'd Rate (lpm)**:  

### Laboratory

**15 Apr 80**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on**: 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic & Industria

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<td>from (m): to (m):</td>
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<td>to (m):</td>
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</table>
| Water Well Positioned by PFRA in 10TM NAD 27 | Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- No Transmissivity: m²/day
- No Storativity:
- No Aquifer Test
- Database: 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on 2/20/98**
Well Owner: Jacobi, R.
Drilling Contractor: Unknown Driller

Well Number: 08379

Elevation (AMSL) (m): 772
AEP: 444044

Licence No.: Easting: 56,335.11
Date Started: Northing: 5,940,563.00
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth: 54.9 (m)
NPWL (m): 39.6
Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec'd intake (m):

Laboratory:
20 May 77
pH (pH unit) 7.90 COD Mercury
Cond. (µS/cm) 1140 SAR Nickel
TDS 679.0 TKN Selenium
Sodium 137.08 Nitrate Strontium
Potassium 1.96 Nitrite Molybdenum
Calcium 92.99 TN Vanadium
Magnesium 17.02 TC Zinc
Carbonate 541.16 Arsenic Total Hardness 304.00
Bicarbonate 418.16 Barium Manganese
Aluminium 161.86 Beryllium Phosphate
Chloride 92.99 Cadmium Ion Balance 0.99
Fluoride 0.07 Chromium Amm. Nitrogen
Iron 0.50 Cobalt Total Phosphate
TOC 13.60 Copper Total Alkalinity 444.0
Silica 13.60 Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**SW 05-054-01 W5M**

**Well Owner:** Jenzen, Jack  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.  

**General:**  
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 56.1 (m)  
- **NPWL (m):** 42.7  
- **Verified NPWL (m):**  
- **Abandonment:**  

**Casing:**  
- **Type:** Plastic  
- **Depth (m):** 47.9  
- **Bottom (m):** 47.9  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Formation Seal  
- **Elevation (AMSL):** 772  
- **Date Started:** 23 Mar 92  
- **Drilling Contractor:** McGinn, Gerald Drilling Ltd.  
- **Date Completed:** 24 Mar 92  

**Liner:**  
- **Type:**  
- **OD (mm):** 127.0  
- **Thickness (mm):** 0.1  
- **Top (m):** 43.9  
- **Bottom (m):** 55.2  

**Screen:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  

**Open Hole:**  
- **from (m):** to  

**Pump:**  
- **Model:**  
- **Intake (m):**  

**Testing:**  
- **Rate (lpm):** 31.9  
- **Time (minute):** 420.0  
- **Level End (m):** 42.7  
- **Drawdown (m):**  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

**Laboratory:**  
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** Selenium  
- **Sodium:** Strontium  
- **Potassium:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** Zinc  
- **Carbonate:** Hydroxide  
- **Bicarbonate:** Total Hardness  
- **Aluminum:** Manganese  
- **Sulphate:** Phosphate  
- **Chloride:** Ion Balance  
- **Fluoride:** Amm. Nitrogen  
- **Iron:** Total Phosphate  
- **TOC:** Total Alkalinity  
- **Silica:** Lead  
- **Lead:** Nitrate&Nitrite N  

**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 60.0 (m)
- **NPWL (m):** 45.7
- **Verified NPWL (m):** 45.7
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **07 Oct 76**
- **pH (pH unit):** 7.60
- **COD:** Mercury
- **Cond. (µS/cm):** 1050
- **SAR:** Nickel
- **TDS:** 668.0
- **TKN:** Selenium
- **Sodium:** 155.94
- **Nitrate:** Strontium
- **Potassium:** 1.96
- **Nitrite:** Molybdenum
- **Calcium:** 78.96
- **TN:** Vanadium
- **Magnesium:** 13.98
- **TC:** Zinc
- **Carbonate:** 568.00
- **DIC:** Hydroxide
- **Bicarbonate:** Arsenic
- **Total Hardness:** 258.00
- **Aluminum:** Barium
- **Manganese:**
- **Sulphate:** 135.92
- **Beryllium:** Phosphate
- **Chloride:** 1.06
- **Cadmium:** Ion Balance 0.98
- **Fluoride:** 0.10
- **Chromium:** Amm. Nitrogen
- **Iron:** 1.40
- **Cobalt:** Total Phosphate
- **TOC:** Copper
- **Total Alkalinity:** 466.0
- **Silica:** Lead
- **Nitrate & Nitrite:**

### Lithologic Description:
(No Lithologic Information Available)

### Water Well Positioned by PFRA in 10TM NAD 27

### Well Number 08381:
- **Elevation (AMSL) (m):** 772
- **AEP:** 444041
- **East:** 58,335.11
- **North:** 5,940,563.00
- **Date Started:**
- **Date Completed:**
**Well Number**: 08382

**Well Owner**: Kloeck, Alvin

**Drilling Contractor**: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m)**: 772

**AEP**: 444052

**Licence No.**: Easting: 58,335.11

**Date Started**: Northing: 5,940,563.00

**Date Completed**: 20 Aug 71

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### General:
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic & Stock
- **Completed Depth**: 56.7 (m)
- **NPWL (m)**: 44.2
- **Verified NPWL (m)**: 58,335.11
- **Abandonment**:

### Casing:
- **Type**: Galvanized Steel
- **Depth (m)**: 50.3
- **Bottom (m)**: 50.3
- **OD (mm)**: 114.3
- **Thickness (mm)**: 0.1
- **Seal Type**: Driven & Formation P

### Liner:
- **OD (mm)**: Thickness (mm):
- **Top (m)**: Bottom (m):
- **Perforated How**:

### Screen:
- **Material**:
- **OD (mm)**: from (m): to Size:
- **Bottom (m):** from (m): to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model**:
- **Intake (m):**

### Testing:
- **Rate (lpm)**: 45.6
- **Time (minute)**: 240.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m)**: 45.7
- **Rec'd Rate (lpm)**:

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### Laboratory:

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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:
- **Transmissivity**: m³/day
- **Gamma Log**: Storativity:
- **Aquifer Test**: No
- **Project**: Database: 1.000H
- **AEP Data**: Yes
- **Well Field Verified**: No

**Remarks**: Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on**: 2/20/98
**Well Number**: 08383

**Well Owner**: Kupke, Fred

**Drilling Contractor**: Double R Drig

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### General:
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic

### Completed Depth:
- NPWL (m): 51.8
- Verified NPWL (m):

### Abandonment:
- **Type**: Plastic
- Depth (m): Bottom (m):
  - OD (mm): 152.4
  - Thickness (mm): 0.1
- **Seal Type**: Driven & Shale Trap
  - from (m): to 52.4

### Liner:
- **Type**: Plastic
- OD (mm): 114.3
- Thickness (mm): 0.1
- Top (m): Bottom (m): 62.5

### Perforated How:
- **Machine**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

### Screen:
- **Material**
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- **Model**: Intake (m): 59.4

### Testing:
- **Rate (lpm)**: 36.5
- **Time (minute)**: 360.0
- **Level End (m)**: Rec'd intake (m):
  - 59.4
  - 7.6

### Laboratory:
- **pH** (pH unit)
- **COD**
- **SAR**
- **TKN**
- **Nitrate**
- **Selenium**
- **Molybdenum**
- **Vanadium**
- **Zinc**
- **Hydroxide**
- **Total Hardness**
- **Amm. Nitrogen**
- **Phosphate**
- **Ion Balance**
- **Lead**
- **Nitrate&Nitrite N**

### Electric Log:
- **Transmissivity**: m³/day
- **Gamma Log**: Storativity
- **Aquifer Test**: No
- **Project**: Database: 1.000H
- **AEP Data**: Well Field Verified: No

---

**Depth**

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<td>709.1</td>
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**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on**: 2/20/98
**Well Number: 08384**

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

**Completed Depth:** 67.1 m
- NPWL (m): 37.2
- Verified NPWL (m): 

**Abandonment:**

**Casing:**
- Type: Steel
  - Depth (m): 54.9
  - Bottom (m): 54.9
- OD (mm): 141.2
- Thickness (mm): 0.1
- Seal Type: Driven
  - from (m): to 54.9

**Liner:**
- Type: 
  - OD (mm): 114.3
  - Thickness (mm): 
  - Top (m): 54.9
  - Bottom (m): 67.1
- Perforated How: Machine
  - from (m): 57.9
to 67.1
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Screen:**
- Material: 
  - OD (mm): 
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: 
  - Intake (m): 48.8

**Testing:**
- Rate (lpm): 36.5
- Time (minute): 120.0
- Level End (m):
- Drawdown (m):
- Rec’d intake (m): 51.8
- Rec’d Rate (lpm): 36.5

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Nitrite: Molybdenum
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Barium: Total Hardness
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- TOC: Total Alkalinity
- Silica: Lead
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL)**

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.8</td>
<td>765.8</td>
<td>Clay Brown</td>
</tr>
<tr>
<td>22.9</td>
<td>748.7</td>
<td>Silt Gray</td>
</tr>
<tr>
<td>25.0</td>
<td>746.6</td>
<td>Shale Green</td>
</tr>
<tr>
<td>53.0</td>
<td>718.6</td>
<td>Clay Silty Brown</td>
</tr>
<tr>
<td>54.0</td>
<td>717.6</td>
<td>Clay Silty Gray</td>
</tr>
<tr>
<td>57.3</td>
<td>714.3</td>
<td>Shale Green</td>
</tr>
<tr>
<td>58.2</td>
<td>713.4</td>
<td>Shale Gray</td>
</tr>
<tr>
<td>67.1</td>
<td>704.5</td>
<td>Sandstone Gray</td>
</tr>
</tbody>
</table>

---

**Database:**

- Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No
- AEP: 444116
- Licence No.: Easting: 58,335.11
- Date Started: 09 Aug 88
- Northing: 5,940,563.00
- Date Completed: 10 Aug 88
**Well Number: 08385**

<table>
<thead>
<tr>
<th>Well Owner: Moorehead, R.A.</th>
<th>Moorehead, R.A.</th>
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</thead>
<tbody>
<tr>
<td>Drilling Contractor: Unknown Driller</td>
<td>Unknown Driller</td>
</tr>
</tbody>
</table>

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth (m):**
  - NPWL (m):
  - Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m):
  - to

### Liner:
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:
  - from (m):
  - to
  - Size:

### Screen:
- **Material:**
- **OD (mm):** from (m):
  - to
  - Size:
- **from (m):**
  - to
  - Size:
- **from (m):**
  - to
  - Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminium:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storeativity:
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes, Well Field Verified: No

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*
Well Number: 08386

Well Owner: Olson, Carl
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 772
AEP: 44412
Licence No.: Easting: 58,335.11
Date Started: Northing: 5,940,563.00
Date Completed:

**General:**
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic

Completed Depth: 71.6 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

**Casing:**
- Type:
  - Depth (m):
  - OD (mm):
  - Seal Type:
  - Thickness (mm):

**Liner:**
- Type:
  - OD (mm):
  - Top (m):
  - Thickness (mm):
  - Bottom (m):
  - Perforated How:
    - from (m): to Size:
    - from (m): to Size:
    - from (m): to Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- 16 Jan 86
- pH (pH unit): 7.80 COD Mercury
- Cond. (µS/cm): 1061 SAR Nickel
- TDS 662.0 TKN Selenium
- Sodium 155.94 Nitrate Strontium
- Potassium 1.96 Nitrite Molybdenum
- Calcium 77.96 TN Vanadium
- Magnesium 14.96 TC Zinc
- Carbonate DIC Hydroxide
- Bicarbonate 575.93 Arsenic Total Hardness 257.00
- Aluminum Barium Manganese
- Sulphate 125.84 Beryllium Phosphate
- Chloride Cadmium Ion Balance 0.99
- Fluoride Chromium Amm. Nitrogen
- Iron 0.77 Cobalt Total Phosphate
- TOC Copper Total Alkalinity 473.0
- Silica 13.40 Lead Nitrate & Nitrite N

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
**SW 05-054-01 W5M**

**Well Owner:** Oraas, George  
**Drilling Contractor:** Countryside Drilling

<table>
<thead>
<tr>
<th><strong>General:</strong></th>
<th></th>
</tr>
</thead>
</table>
| **Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 64.0 (m)  
**NPWL (m):** 46.8  
**Verified NPWL (m):**  |
| **Abandonment:** |  |
| **Casings:** |  |
| **Type:** Plastic  
**Depth (m):** 61.3  
**Bottom (m):** 61.3  
**OD (mm):** 127.0  
**Thickness (mm):** 0.1  
**Seal Type:** Driven  
**from (m):** to 57.9  |
| **Liner:** |  |
| **Type:**  
**OD (mm):**  
**Top (m):**  
**Bottom (m):**  
**Perforated How:**  
**from (m):** to  
**Size:**  |
| **Screen:** |  |
| **Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  |
| **Open Hole:** |  |
| **from (m):** to  |
| **Pump:** |  |
| **Model:**  
**Intake (m):** 57.9  |
| **Testing:** |  |
| **Rate (lpm):** 91.2  
**Time (minute):** 420.0  
**Level End (m):** 46.9  
**Drawdown (m):** 0.2  
**Rec'd intake (m):**  |
| **Rec'd Rate (lpm):** 22.8  |

<table>
<thead>
<tr>
<th><strong>Laboratory:</strong></th>
<th></th>
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</table>
| **pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS:**  
**Sodium:**  
**Potassium:**  
**Calcium:**  
**Magnesium:**  
**Carbonate:**  
**Bicarbonate:**  
**Barium:**  
**Aluminium:**  
**Sulphate:**  
**Chloride:**  
**Fluoride:**  
**Iron:**  
**TOC:**  
**Silica:**  
**COD:**  
**SAR:**  
**TKN:**  
**Nitrate:**  
**Selenium:**  
**Nitrite:**  
**Molybdenum:**  
**Vanadium:**  
**Total Hardness:**  
**Amm. Nitrogen:**  
**Total Phosphate:**  
**Total Alkalinity:**  
**Nitrate & Nitrite N:**  
**Lead:**  
**Phosphate:**  
**Sulphate:**  
**Iron:**  
**Copper:**  
**Total Hardness:**  
**Calcium:**  
**Magnesium:**  
**Zinc:**  
**Beryllium:**  
**Phosphate:**  
**Selenium:**  
**Nitrite & Nitrite N:**  
**Zinc:**  
**Manganese:**  
**Aluminum:**  
**Barium:**  
**Sulphate:**  
**Chloride:**  
**Fluoride:**  
**Iron:**  
**TOC:**  
**Silica:**  |
| **Chemical Constituents are in mg/l (ppm). Except as noted.**  |

<table>
<thead>
<tr>
<th><strong>Remarks:</strong></th>
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Water Well Positioned by PFRA in 10TM NAD 27

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**SW 05-054-01 W5M**

<table>
<thead>
<tr>
<th><strong>General:</strong></th>
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</tr>
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</table>
| **Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 64.0 (m)  
**NPWL (m):** 46.8  
**Verified NPWL (m):**  |
| **Abandonment:** |  |
| **Casings:** |  |
| **Type:** Plastic  
**Depth (m):** 61.3  
**Bottom (m):** 61.3  
**OD (mm):** 127.0  
**Thickness (mm):** 0.1  
**Seal Type:** Driven  
**from (m):** to 57.9  |
| **Liner:** |  |
| **Type:**  
**OD (mm):**  
**Top (m):**  
**Bottom (m):**  
**Perforated How:**  
**from (m):** to  
**Size:**  |
| **Screen:** |  |
| **Material:**  
**OD (mm):**  
**from (m):** to  
**Size:**  |
| **Open Hole:** |  |
| **from (m):** to  |
| **Pump:** |  |
| **Model:**  
**Intake (m):** 57.9  |
| **Testing:** |  |
| **Rate (lpm):** 91.2  
**Time (minute):** 420.0  
**Level End (m):** 46.9  
**Drawdown (m):** 0.2  
**Rec'd intake (m):**  |
| **Rec'd Rate (lpm):** 22.8  |

<table>
<thead>
<tr>
<th><strong>Laboratory:</strong></th>
<th></th>
</tr>
</thead>
</table>
| **pH (pH unit):**  
**Cond. (µS/cm):**  
**TDS:**  
**Sodium:**  
**Potassium:**  
**Calcium:**  
**Magnesium:**  
**Carbonate:**  
**Bicarbonate:**  
**Barium:**  
**Aluminium:**  
**Sulphate:**  
**Chloride:**  
**Fluoride:**  
**Iron:**  
**TOC:**  
**Silica:**  
**COD:**  
**SAR:**  
**TKN:**  
**Nitrate:**  
**Selenium:**  
**Nitrite:**  
**Molybdenum:**  
**Vanadium:**  
**Total Hardness:**  
**Amm. Nitrogen:**  
**Total Phosphate:**  
**Total Alkalinity:**  
**Nitrate & Nitrite N:**  
**Lead:**  
**Phosphate:**  
**Sulphate:**  
**Iron:**  
**Copper:**  
**Total Hardness:**  
**Calcium:**  
**Magnesium:**  
**Zinc:**  
**Beryllium:**  
**Phosphate:**  
**Selenium:**  
**Nitrite & Nitrite N:**  
**Zinc:**  
**Manganese:**  
**Aluminum:**  
**Barium:**  
**Sulphate:**  
**Chloride:**  
**Fluoride:**  
**Iron:**  
**TOC:**  
**Silica:**  |
| **Chemical Constituents are in mg/l (ppm). Except as noted.**  |

| **Remarks:** |  |

Water Well Positioned by PFRA in 10TM NAD 27

---

**Sw 05-054-01 W5M**

**Elevation (AMSL) (m):** 772  
**AEP:** 366421  
**Date Started:** 13 Aug 92  
**Northing:** 5,940,563.00  
**Date Completed:** 19 Aug 92

**Well Number:** 08387

**Well Owner:** Oraas, George  
**Licence No.:** Easting: 56,335.11

<table>
<thead>
<tr>
<th><strong>Depth (BGL) (AMSL) (m) (m) (m)</strong>*</th>
<th><strong>Lithologic Description:</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1 765.5</td>
<td>Clay &amp; Silt Soft Brown</td>
<td></td>
</tr>
<tr>
<td>12.2 759.4</td>
<td>Clay &amp; Silt Sticky Brown</td>
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</tr>
<tr>
<td>21.3 750.3</td>
<td>Clay &amp; Silt Sticky</td>
<td></td>
</tr>
<tr>
<td>27.4 744.2</td>
<td>Clay &amp; Shale Brownish Yellow</td>
<td></td>
</tr>
<tr>
<td>54.9 716.7</td>
<td>Lost Circulation</td>
<td></td>
</tr>
<tr>
<td>64.0 707.6</td>
<td>Unknown</td>
<td></td>
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</table>

---

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**General:**

<table>
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<tr>
<th>Well Owner: Palmer, Pete</th>
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<tbody>
<tr>
<td>Drilling Contractor: Mcginn, Gerald Drilling Ltd.</td>
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<tr>
<td>Elevation (AMSL) (m): 772</td>
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<tr>
<td>AEP: 444088</td>
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<tr>
<td>Licence No.: Easting: 58,335.11</td>
</tr>
<tr>
<td>Date Started: 10 Jul 80</td>
</tr>
<tr>
<td>Northing: 5,940,563.00</td>
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<tr>
<td>Date Completed: 14 Jul 80</td>
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**Type of Work:** New Well  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 65.2 (m)  
**NPWL (m):** 54.3  
**Verified NPWL (m):** Abandonment:  
**Type:** Galvanized Steel  
**Depth (m):** 54.9  
**Bottom (m):** 54.9  
**OD (mm):** 114.3  
**Thickness (mm):** Seal Type: Formation Seal  
**from (m):** to 54.9  
**Type:** Liner  
**OD (mm):** 88.9  
**Thickness (mm):** Top (m):  
**Bottom (m):** 64.3  
**Perforated How:** Torch  
**from (m):** to 54.9  
**from (m):** to 64.3  
**from (m):** to  
**Size:** Screen  
**Material:**  
**OD (mm):**  
**from (m):** to  
**from (m):** to  
**from (m):** to  
**Size:** Open Hole  
**from (m):** to  
**Pump:**  
**Model:**  
**Intake (m):** 57.9  
**Rate (lpm):** 22.8  
**Time (minute):** 420.0  
**Level End (m):** 57.9  
**Drawdown (m):** 3.7  
**Rec'd Rate (lpm):** 0.98  
**Rec'd intake (m):** No  
**Laboratory:** 05 Sep 80  
**pH (pH unit):** 8.20  
**COD:** Mercury  
**Cond. (µS/cm):** 1044  
**SAR:** Nickel  
**TDS: 619.0**  
**TKN:** Selenium  
**Sodium:** Strontium  
**Potassium:** Molybdenum  
**Calcium:** Vanadium  
**Magnesium:** Zinc  
**Carbonate:** Hydroxide  
**Bicarbonate:** Arsenic  
**Total Hardness:** 268.00  
**Aluminum:** Barium  
**Manganese:**  
**Sulphate:** 170.03  
**Beryllium:** Phosphate  
**Chloride:** 13.12  
**Cadmium:** Iron Balance 0.98  
**Fluoride:** Chromium  
**Amm. Nitrogen:**  
**Iron:** 0.09  
**Cobalt:** Total Phosphate  
**TOC:** Copper  
**Total Alkalinity:** 361.0  
**Silica:** Lead  
**Nitrate&Nitrite N:** Chemical Constituents are in mg/l (ppm). Except as noted.  
**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27  
**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Rec'd Rate (lpm):** 0.98  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No  

**Depth Elevation**  
(BGL) (AMSL)  
(m) (m)  
**Lithologic Description**  
54.3 717.3 Clay Sandy Yellow  
65.2 706.4 Shale Greenish Gray
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 57.9 (m)
- **NPWL (m):** 48.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):** from (m) to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):
- **Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:** 17 Oct 77
- **pH (pH unit):** 7.60
- **Cond. (µS/cm):** 1090
- **TDS:** 673.0
- **Sodium:** 132.94
- **Potassium:** 2.35
- **Calcium:** 88.98
- **Magnesium:** 20.06
- **Carbonate:** DIC
- **Bicarbonate:** 513.09
- **Aluminium:** Barium
- **Potassium:** 2.35
- **Calcium:** 88.98
- **Magnesium:** 20.06
- **Pump:**
- **Intake (m):**
- **Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) (m)**

**Lithologic Description**

(No Lithologic Information Available)
SW 05-054-01 W5M

Well Owner: Reehn, Larry
Drilling Contractor: Unknown Driller

Well Number: 08390

Elevation (AMSL) (m): 772
AEP: 444054
Licence No.: Easting: 58,335.11
Date Started: Northing: 5,940,563.00
Date Completed: 03 Oct 78

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<td>(m)</td>
<td>(m)</td>
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<tr>
<td>Drilling Method: Unknown</td>
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<td>Well Use: Domestic</td>
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<tr>
<td>Completed Depth: 57.9</td>
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<tr>
<td>NPWL (m): 4.6</td>
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<td>Abandonment:</td>
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<th>Lithologic Description</th>
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<tbody>
<tr>
<td>Type:</td>
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<tr>
<td>Depth (m): Bottom (m):</td>
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</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Seal Type: from (m): to</td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Top (m): Bottom (m):</td>
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<tr>
<td>Perforated How: from (m): to Size:</td>
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<td>from (m): to Size:</td>
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</tr>
<tr>
<td>from (m): to Size:</td>
<td></td>
</tr>
<tr>
<td>Open Hole: from (m): to</td>
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<table>
<thead>
<tr>
<th>Pump:</th>
<th>Testing:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model:</td>
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</tr>
<tr>
<td>Intake (m):</td>
<td></td>
</tr>
<tr>
<td>Rate (lpm): Time (minute):</td>
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</tr>
<tr>
<td>Level End (m): Drawdown: (m):</td>
<td></td>
</tr>
<tr>
<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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</table>

<table>
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<th>Laboratory: 03 Oct 78</th>
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<tbody>
<tr>
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<td>Magnesium: 16.05</td>
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<td>Iron: 1.17</td>
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<td>TOC: 14.40</td>
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<tr>
<td>Aluminium: Barium: Manganese</td>
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<td>Sulphate: Beryllium: Phosphate</td>
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<td>Chloride: Cadmium: Ion Balance</td>
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<td>Fluoride: Chromium: Amm. Nitrogen</td>
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<tr>
<td>Iron: Cobalt: Total Phosphate</td>
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<tr>
<td>TOC: Copper: Total Alkalinity</td>
</tr>
<tr>
<td>Silica: Lead: Nitrate:Nitrite N</td>
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</tbody>
</table>

| Chemical Constituents are in mg/l (ppm). Except as noted. |
| Electric Log: No |
| Transmissivity: m³/day |
| Gamma Log: No |
| Storativity: |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes |
| Well Field Verified: No |

Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 67.1 (m)
- **NPWL (m):** 47.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Plastic
- **Depth (m):** 54.6
- **Bottom (m):** 54.6
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Welded Collar
- **from (m):** to 54.6

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 53.3
- **Bottom (m):** 67.1
- **Perforated How:** Other
- **from (m):** to 67.1
- **Size:**
- **from (m):** to 54.6
- **Size:**
- **from (m):** to 67.1
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):** 57.9

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):** 120.0
- **Level End (m):** 57.9
- **Drawdown (m):** 10.1
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **COD**
- **SAR**
- **TDS**
- **TKN**
- **Sodium**
- **Nitrate**
- **Strontium**
- **Potassium**
- **Nitrite**
- **Molybdenum**
- **Calcium**
- **TN**
- **Vanadium**
- **Magnesium**
- **TC**
- **Zinc**
- **Carbonate**
- **DIC**
- **Hydroxide**
- **Bicarbonate**
- **Arsenic**
- **Total Hardness**
- **Aluminum**
- **Barium**
- **Manganese**
- **Sulphate**
- **Beryllium**
- **Phosphate**
- **Chloride**
- **Cadmium**
- **Iron**
- **Cobalt**
- **Total Phosphate**
- **TOC**
- **Copper**
- **Total Alkalinity**
- **Silica**
- **Lead**
- **Nitrate&Nitrite N**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Well Number 08391**
- **Well Owner:** Scott, Rick
- **Drilling Contractor:** D&D Water Well Drilling & Services
- **Elevation (AMSL) (m):** 772
- **AEP:** 444114
- **Licence No.:**
- **Easting:** 58,335.11
- **Date Started:** 16 Jun 88
- **Northing:** 5,940,563.00
- **Date Completed:** 17 Jun 88

**Depth Elevation (BGL) (AMSL)**

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<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>16.8</td>
<td>754.8</td>
<td>Clay Yellow</td>
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<tr>
<td>33.5</td>
<td>738.1</td>
<td>Sand</td>
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<tr>
<td>49.7</td>
<td>721.9</td>
<td>Clay Sandy Blue</td>
</tr>
<tr>
<td>55.8</td>
<td>715.8</td>
<td>Shale Green</td>
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<tr>
<td>67.1</td>
<td>704.5</td>
<td>Sandstone</td>
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**Database:** 1.000H

**Project:**

**AEP Data:** Yes

Well Field Verified: No

---

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Project:** Database: 1.000H

**AEP Data:** Yes

Well Field Verified: No

---

printed on 2/20/98
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 65.2 (m)
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 59.7
- **Bottom (m):** 59.7
- **OD (mm):** 114.3
- **Thickness (mm):**

### Lithologic Description

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Lithology</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.7</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>22.9</td>
<td>Clay Blue</td>
</tr>
<tr>
<td>59.4</td>
<td>Clay Yellow</td>
</tr>
<tr>
<td>61.0</td>
<td>Shale Green</td>
</tr>
<tr>
<td>65.2</td>
<td>Shale Sandy Gray</td>
</tr>
</tbody>
</table>

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 54.9

### Testing:
- **Rate (lpm):** 31.9
- **Time (minute):** 420.0
- **Level End (m):** 54.9
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

### Electric Log: **No**
- **Transmissivity:** m²/day

### Gamma Log: **No**
- **Storativity:**

### Aquifer Test: **No**
- **Project:** Database: **1.000H**

### AEP Data: Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 08392

**Elevation (AMSL) (m):** 772
**AEP:** 444047
**Licence No.:**
**Easting:** 58,335.11
**Date Started:** 11 May 77
**Northing:** 5,940,563.00
**Date Completed:** 11 May 77
**SW 05-054-01 W5M**

**Well Owner:** Thompson, F.  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 772  
**AEP:** 444056  
**Well Use:** Domestic  
**Date Started:** 26 Jul 78  
**Drilling Method:** Unknown  
**Completed Depth:** 57.9 (m)  
**NPWL (m):** 38.1  
**Verified NPWL (m):**

**Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

**Screen:**
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**  
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **26 Jul 78**
- **pH (pH unit):** 7.90  
- **COD:**  
- **SAR:**
- **TDS:** 671.0  
- **TKN:**
- **Sodium:** 143.06  
- **Nitrate:**
- **Strontium:**
- **Potassium:** 1.96  
- **Nitrite:**
- **Molybdenum:**
- **Calcium:** 84.97  
- **TN:**
- **Vanadium:**
- **Magnesium:** 17.02  
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:** 522.86  
- **Arsenic:**
- **Total Hardness:** 281.00  
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:** 163.78  
- **Beryllium:**
- **Phosphate:**
- **Chloride:** 2.13  
- **Cadmium:**
- **Ion Balance:** 0.99  
- **Fluoride:** 0.07  
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:** 0.84  
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 429.0  
- **Silica:** 13.90  
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**projected on 2/20/98**
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 61.6 (m)

**NPWL (m):** 41.2

**Abandonment:**

**Casing:**

- **Type:** Galvanized Steel
  - **Depth (m):** 55.5
  - **Bottom (m):** 55.5
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.0
  - **Seal Type:** Driven
  - **from (m):** to

**Liner:**

- **Type:**
  - OD (mm): 88.9
  - Thickness (mm):
  - Top (m): Bottom (m): 61.6

**Perforated How:** Torch

- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
  - **Size:**

**Screen:**

- **Material:**
  - OD (mm):
    - from (m): to
  - **Thickness (mm):**
  - **Bottom (m):**

**Open Hole:**

- **from (m):** to

**Pump:** Sub

- **Model:**
- **Intake (m):**

**Elevation**

- **(m):** 772

**Licence No.:** 444090

**Date Started:** 28 May 81

**Date Completed:** 09 Jun 81

**Well Number:** 08394

**Elevation (AMSL) (m):**

- **AEP:** 56,335.11
- **Northing:** 5,940,563.00

**Lithologic Description**

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<thead>
<tr>
<th>Depth</th>
<th>Elevation</th>
<th>Type of Work</th>
</tr>
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<tbody>
<tr>
<td>(m)</td>
<td>(m)</td>
<td></td>
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<tr>
<td>18.3</td>
<td>753.3</td>
<td>Clay Sandy</td>
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<tr>
<td>24.4</td>
<td>747.2</td>
<td>Blind</td>
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<td>27.4</td>
<td>744.2</td>
<td>Clay Silty</td>
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<td>29.0</td>
<td>742.6</td>
<td>Sand</td>
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<tr>
<td>31.1</td>
<td>740.5</td>
<td>Silt Sandy</td>
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<td>41.2</td>
<td>730.4</td>
<td>Blind</td>
</tr>
<tr>
<td>47.2</td>
<td>724.4</td>
<td>Clay Hard</td>
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<tr>
<td>50.3</td>
<td>721.3</td>
<td>Blind</td>
</tr>
<tr>
<td>54.9</td>
<td>716.7</td>
<td>Clay Hard</td>
</tr>
<tr>
<td>56.4</td>
<td>715.2</td>
<td>Shale Green</td>
</tr>
<tr>
<td>61.6</td>
<td>710.0</td>
<td>Shale Soft Gray</td>
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</table>

**Lab Test Result:**

- **pH (pH unit):** 8.20
- **Cod (µS/cm):** 1015
- **Sar (µS/cm):** 674.0
- **Nitrates (µS/cm):** 147.89
- **Nitrites (µS/cm):** 1.17
- **Calcium (µS/cm):** 84.97
- **Magnesium (µS/cm):** 16.05
- **Barium (µS/cm):** 517.60
- **Aluminum (µS/cm):** 157.06
- **Cadmium (µS/cm):** 13.12
- **Chloride (µS/cm):** 0.06
- **Iron (µS/cm):** 1.02
- **TOC (µS/cm):** 13.60
- **Silica (µS/cm):** 16.05

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Electric Log:** Yes

**Transmissivity:** m²/day

**Gamma Log:** Yes

**Storativity:**

**Aquifer Test:** Yes

**Project:** 1.000H

**AEP Data:** Yes

**Well Field Verified:** Yes

*Printed on 2/20/98*
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 61.0 (m)
  - NPWL (m): 42.7
  - Verified NPWL (m):
- **Abandonment:**

### Casing:
- **Type:**
  - Depth (m):
  - OD (mm):
  - Seal Type:
    - from (m):
    - to

### Liner:
- **Type:**
  - OD (mm):
  - Top (m):
  - Perforated How:
    - from (m):
    - to
  - Size:

### Screen:
- **Material:**
  - OD (mm):
  - from (m):
  - to
  - Size:

### Open Hole:
- **from (m):**
- **to

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 8.00
- **Cond. (µS/cm):** 1106
- **TDS:** 656.0
- **Sodium:** 129.03
- **Potassium:** 1.56
- **Calcium:** 76.95
- **Magnesium:** 17.02
- **Carbonate:** 542.99
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:** 162.82
- **Chloride:**
- **Fluoride:** 0.12
- **Iron:** 0.84
- **TOC:**
- **Silica:** 13.00

**Remarks:**
'Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Deepened
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 79.2 (m)  
**NPWL (m):** 54.2  
**Verified NPWL (m):**

**Abandonment:**
- **Type:** Plastic
- **Depth (m):** 62.8  
**Bottom (m):** 62.8

**Seal Type:** Shale Trap  
**from (m):** to 61.0

**Liner:**
- **Type:** Shale Trap  
**OD (mm):** 141.2  
**Thickness (mm):**

**Top (m):** 79.2  
**Bottom (m):**

**Perforated How:** Machine  
**from (m):** 62.8 to 79.2  
**Size:**

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub  
**Model:** Grundfos  
**Intake (m):**

**Testing:**
- **Rate (lpm):** 50.2  
**Time (minute):** 720.0
- **Level End:** 57.9  
**Drawdown (m):** 0.9
- **Rec'd Rate:** 61.0  
**Rec'd intake (m):**

### Laboratory:

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<th>Chemical Constituent</th>
<th>Unit</th>
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<td>TDS</td>
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<td>Iron</td>
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<td></td>
</tr>
<tr>
<td>Cobalt</td>
<td></td>
<td></td>
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<tr>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
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<tr>
<td>Copper</td>
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<tr>
<td>Total Alkalinity</td>
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<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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<tr>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Electric Log:</td>
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<td>Transmissivity: m³/day</td>
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<tr>
<td>Gamma Log:</td>
<td>No</td>
<td>Storativity:</td>
</tr>
<tr>
<td>Aquifer Test:</td>
<td>No</td>
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<tr>
<td>AEP Data:</td>
<td>Yes</td>
<td>Well Field Verified: No</td>
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</table>

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 08396  
**Elevation (AMSL) (m):** 772  
**AEP:** 444094  
**Licence No.:** 58,335.11  
**Date Started:** 23 Mar 85  
**Northing:** 5,940,563.00  
**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Depth Elevation (BGL) (AMSL):**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.7</td>
<td>760.9</td>
<td>Silt Brown</td>
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<tr>
<td>29.0</td>
<td>742.6</td>
<td>Sand Fine Grained Brown</td>
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<td>30.5</td>
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<td>692.4</td>
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</table>
## General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 46.0 (m)
- **NPWL (m):** 24.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Galvanized Steel
- **Depth (m):** 35.4
- **Bottom (m):** 35.4
- **OD (mm):** 101.6
- **Thickness (mm):** 0.1
- **Seal Type:** from (m): to

### Liner

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole

- **from (m):** to

### Pump

- **Model:** Hand
- **Intake (m):**
- **Rate (lpm):** 36.5
- **Time (minute):** 420.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory

- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Beryllium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Other:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Testing

- **Electric Log:** No
- **Transmissivity:** m²/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
**NW 08-054-01 W5M**

**Well Owner:** Blurton, Richard

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 742  
**AEP:** 444257  
**Licence No.:** 58,500.13  
**Date Started:** 15 Jun 87  
**Easting:** 59,641.50  
**Date Completed:** 18 Jun 87  

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)  
- **NPWL (m):** 23.8  
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 32.9  
- **Bottom (m):** 32.9  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 32.9

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):**
- **Top (m):** 31.1  
- **Bottom (m):** 54.9  
- **Perforated How:** Machine  
- **from (m):** 36.6 to 54.9  
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**  
- **Intake (m):** 48.8  

### Testing:
- **Rate (lpm):** 22.8  
- **Time (minute):** 180.0  
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):** 48.8  
- **Rec’d Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Electric Log:
- **No**  
- **Transmissivity:**

### Gamma Log:
- **No**  
- **Storativity:**

### Aquifer Test:
- **No**  
- **Project:**

### AEP Data:
- **Yes**  
- **Database:** 1.000H

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
**NW 08-054-01 W5M**

Well Owner: **Blurton, Richard**

Drilling Contractor: **Marwayne Water Well Drilling Services Lt**

**Well Number 08412**

<table>
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<th>Elevation (AMSL) (m):</th>
<th>742</th>
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<tr>
<td>AEP:</td>
<td>444258</td>
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**Licence No.:**
- **Easting:** 58,500.13
- **Northing:** 5,942,710.50

Date Started: **07 Nov 88**

Date Completed: **08 Nov 88**

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock

### Completed Depth:
- **NPWL (m):** 14.9
- **Verified NPWL (m):**

### Abandonment:

### Casing:
- **Type:** Steel
- **Depth (m):** 27.1
- **Bottom (m):** 27.1
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1

### Seal Type:
- **Drive Shoe**
- **from (m):** to 27.1

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 26.2
- **Bottom (m):** 57.9

### Perforated How:
- **Machine**
- **from (m):** 33.5 to 57.9
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 51.8

### Testing:
- **Rate (lpm):** 20.5
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 54.9
- **Rec'd Rate (lpm):** 18.2

---

### Laboratory:

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<td>TDS</td>
<td>TKN</td>
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<tr>
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<td>Chromium</td>
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<td>Molybdenum</td>
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</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**

### Transmissivity:
- **m²/day**

### Gamma Log:
- **No**

### Storativity:

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**

### Well Field Verified:
- **No**

---

*Water Well Positioned by PFRA in 10TM NAD 27*

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_ printed on 2/20/98_
SE 08-054-01 W5M

Well Owner: Rottler, Rudolf
Drilling Contractor: Unknown Driller

Well Number 08413

Elevation (AMSL) (m): 754
AEP: 444255
Licence No.: 08-054-01
Easting: 59,039.50
Date Started: No Date
Northing: 5,942,234.00
Date Completed: No Date

General:
Type of Work: Chemistry
Well Use: Domestic
Completed Depth: 57.3 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casings:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liners:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screens:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Holes:
from (m): to

Pumps:
Model: Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project:
AEP Data: Yes Database: 1.000H

Laboratory:
14 Jun 84
pH (pH unit): 7.50 COD Mercury
Cond. (µS/cm): 934.0 SAR Nickel
TDS 562.0 TKN Selenium
Sodium 69.92 Nitrate Strontium
Potassium 3.91 Nitrite Molybdenum
Calcium 91.98 TN Vanadium
Magnesium 22.98 TC Zinc
Carbonate 477.10 DIC Hydroxide
Bicarbonate Arsenic Total Hardness 324.00
Aluminum Barium Manganese
Sulphate 136.89 Beryllium Phosphate
Chloride Cadmium Ion Balance 0.90
Fluoride 0.20 Chromium Amm. Nitrogen
Iron 3.55 Cobalt Total Phosphate
TOC Copper Total Alkalinity 391.0
Silica 18.80 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 46.0 (m)
- NPWL (m): 34.4
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Galvanized Steel
- Depth (m): 36.6
- Bottom (m): 36.6
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type:
  - from (m): to
- Liner:
  - Type:
  - Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
    - from (m): to
    - Size:
    - from (m): to
    - Size:
    - from (m): to
    - Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Open Hole:**
- from (m): to

**Pump:** Sub
- Model: Mcdougall
- Intake (m):

**Testing:**
- Rate (lpm): 342.1
- Time (minute): 60.0
- Level End (m):
- Drawdown (m):
- Rec'd intake (m): 36.0
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit): COD
- Cond. (µS/cm): SAR
- TDS: TKN
- Sodium: Nitrate
- Potassium: Nitrite
- Calcium: TN
- Magnesium: TC
- Carbonate: DIC
- Bicarbonate: Arsenic
- Aluminium: Barium
- Sulphate: Beryllium
- Chloride: Cadmium
- Fluoride: Chromium
- Iron: Cobalt
- TOC: Copper
- Silica: Lead

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

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<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
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<tr>
<td>Gamma Log: No</td>
<td>Storativity:</td>
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<tr>
<td>Aquifer Test: No</td>
<td>Project: Database: 1.000H</td>
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<tr>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
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</table>
**Well Number 08416**

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 93.0 m
- **NPWL:** 45.1 m
- **Abandonment:**
- **Casing:**
  - **Type:** Steel
  - **Depth (m):** 73.8
  - **Bottom (m):** 73.8
  - **OD (mm):** 115.8
  - **Thickness (mm):** 0.0
  - **Liner:**
    - **Type:**
    - **OD (mm):**
    - **Top (m):**
    - **Bottom (m):**
  - **Perforated How:**
    - **Size:**
    - **Thickness (mm):**
    - **Size:**
    - **Size:**
  - **Screen:**
    - **Material:**
    - **OD (mm):**
    - **Size:**
  - **Open Hole:**
    - **Size:**

**Pump:**
- **Model:**
  - **Intake (m):**
- **Testing:**
  - **Rate (lpm):** 19.2
  - **Time (minute):** 600.0
  - **Drawdown (m):** 9.8
  - **Rec’s intake (m):**
  - **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Citrate:**
- **DIC:**
- **Hydroxide:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Phosphate:**
- **Cadmium:**
- **Ammonium:**
- **Total Phosphate:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.6 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 64.0
- **Bottom (m):** 64.0
- **OD (mm):** 115.8
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 420.0
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** 63.1
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Open Hole:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Electric Log:** No
- **Transmissivity:** m³/day
**Gamma Log:** No
- **Storativity:**
**Aquifer Test:** No
- **Project:** Database: 1.000H
**AEP Data:** Yes
- **Well Field Verified:** No

**Water Well Positioned by PFRA in 10TM NAD 27**
## General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

### Completed Depth:
- NPWL (m): 48.2
- Verified NPWL (m):
- Abandonment:

### Casing:
- **Type:** Steel
- **Depth (m):** 43.9
- **Bottom (m):** 43.9
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 43.9

### Liner:
- **Type:** Steel
- **Depth (m):** 114.3
- **Bottom (m):** 97.5
- **Thickness (mm):**

### Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 64.0

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):** 480.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 70.1
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (μS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Phosphate:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Vanadium:**
- **Barium:**
- **Magnesium:**
- **Chromium:**
- **Plutonium:**
- **Strontium:**
- **Sodium:**
- **Nitrogen:**
- **Sulphate:**
- **Calcium:**
- **Magnesium:**
- **Potassium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Nitrate:**
- **Nitrite:**

### Lithologic Description:

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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
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<td>4.6</td>
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<td>12.8</td>
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<td>97.5</td>
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<td>Shale</td>
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</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** Yes

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
03-10-054-01 W5M

Well Owner: Lynch, Michael/ Louise
Drilling Contractor: Summer's Drilling Ltd.

Well Number: 08423
Elevation (AMSL) (m): 777
AEP: 444551
Licence No.: Easting: 61,711.88
Date Started: 15 Jul 84
Northing: 5,942,036.00
Date Completed: 17 Jul 84

General:
- Type of Work: New Well
- Drilling Method: Bored
- Well Use: Domestic

Completed Depth: 25.0 (m)
NPWL (m): 1.2
Verified NPWL (m):
Abandonment:

Casing:
- Type: Galvanized Steel
- Depth (m): 25.0
- Bottom (m): 25.0
- OD (mm): 635.0
- Thickness (mm): 0.0
- Seal Type: Puddled Clay
- from (m): to 3.1

Liner:
- Type:
- OD (mm):
- Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m): 22.9

Testing:
- Rate (lpm): 18.2
- Time (minute): 900.0
- Level End (m): 22.9
- Drawdown (m): 21.6
- Rec'd intake (m): 22.9
- Rec'd Rate (lpm): 18.2

Laboratory:
- 03 Apr 86

pH (pH unit) 7.60 COD Mercury
Cond. (µS/cm) 748.0 SAR Nickel
TDS 414.0 TKN Selenium
Sodium 8.05 Nitrate Strontium
Potassium 1.56 Nitrite Molybdenum
Calcium 108.02 TN Vanadium
Magnesium 27.97 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 494.79 Arsenic Total Hardness 385.00
Aluminum 1.20 Barium Manganese
Sulphate 24.02 Beryllium Phosphate
Chloride 10.00 Cadmium Ion Balance 0.93
Fluoride 0.26 Chromium Amm. Nitrogen
Iron 0.45 Cobalt Total Phosphate
TOC 0.45 Copper Total Alkalinity 406.0
Silica 12.20 Lead Nitrate & Nitrite N

Remarks: Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 118.9 (m)
- **NPWL (m):** 56.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 64.0
- **Bottom (m):** 64.0
- **OD (mm):** 115.8
- **Thickness (mm):** 0.1
- **Seal Type:** Loose
- **from (m):** to 64.0

### Liner:
- **Type:**
- **OD (mm):** 76.2
- **Thickness (mm):**
- **Top (m):** 64.0
- **Bottom (m):** 118.9
- **Perforated How:** Machine
- **from (m):** to 118.9
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 64.0

### Testing:
- **Rate (lpm):** 4.6
- **Time (minute):** 420.0
- **Level End (m):** 64.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 4.6

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m$^2$/day

### Gamma Log:
- **Storativity:**

### Aquifer Test:
- **Project:**
- **Database:** 1.000H

### AEP Data:
- **Well Field Verified:** No
## NE 10-054-01 W5M

**Well Owner:** Blanchard, Samuel V.  
**Drilling Contractor:** Unknown Driller

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

### Completed Depth: 85.3 (m)  
NPWL (m):  
Verified NPWL (m):  
Abandonment:

### Casing:
- Type:  
  - Depth (m): Bottom (m):  
  - OD (mm): Thickness (mm):  
  - Seal Type:  
    - from (m): to  

### Liner:
- Type:  
  - OD (mm): Thickness (mm):  
  - Top (m): Bottom (m):  
  - Perforated How:  
    - from (m): to Size:  
    - from (m): to Size:  
    - from (m): to Size:  

### Screen:
- Material:  
  - OD (mm): from (m): to Size:  
  - from (m): to Size:  

### Open Hole:
- from (m): to  

### Pump:
- Model:  
  - Intake (m):  

### Testing:
- Rate (lpm):  
  - Time (minute):  
  - Level End (m): Drawdown (m):  
  - Rec’d intake (m): Rec’d Rate (lpm):

### Laboratory:
- **pH (pH unit):**  
  - COD  
  - SAR  
  - TDS  
  - Sodium  
  - Potassium  
  - Calcium  
  - Magnesium  
  - Carbonate  
  - Bicarbonate  
  - Aluminium  
  - Sulphate  
  - Chloride  
  - Fluoride  
  - Iron  
  - TOC  
  - Silicon  

- **Condition (µS/cm):**  
  - Nickel  
  - TKN  
  - Strontium  
  - Molybdenum  
  - Vanadium  
  - Zinc  
  - Hydroxide  
  - Total Hardness  
  - Manganese  
  - Phosphate  
  - Ion Balance  
  - Amm. Nitrogen  
  - Total Phosphate  
  - Total Alkalinity  
  - Nitrate

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

<table>
<thead>
<tr>
<th>Electric Log</th>
<th>Transmissivity:</th>
<th>m³/day</th>
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<tbody>
<tr>
<td>Gamma Log</td>
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<td>Aquifer Test</td>
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<tr>
<td>AEP Data</td>
<td>Yes</td>
<td>Well Field Verified: No</td>
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Water Well Positioned by PFRA in 10TM NAD 27
**NE 10-054-01 W5M**

**Well Owner:** Feathers, Carl  
**Drilling Contractor:** Irmc Water Well Service & Supply Co. Ltd

**Elevation (AMSL) (m):** 783  
**AEP:** 444569  
**Date Started:** 22 May 79  
**Date Completed:** 28 May 79

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<tr>
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<th>Elevation (BGL) (m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>4.3</td>
<td>779.1</td>
<td>Clay &amp; Rocks</td>
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<td>13.1</td>
<td>770.2</td>
<td>Sand &amp; Gravel</td>
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<tr>
<td>16.1</td>
<td>767.2</td>
<td>Clay</td>
</tr>
<tr>
<td>17.7</td>
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<td>23.8</td>
<td>759.6</td>
<td>Clay &amp; Gravel Yellow</td>
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<td>752.3</td>
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<td>88.4</td>
<td>695.0</td>
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</tr>
<tr>
<td>121.9</td>
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**General:**  
**Type of Work:** Dry Hole  
**Drilling Method:** Rotary  
**Well Use:** Domestic  
**Completed Depth:** 121.9 (m)  
**NPWL (m):** Verified NPWL (m):  
**Abandonment:**

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<td><strong>Top (m):</strong></td>
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<td><strong>Perforated How:</strong></td>
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<td><strong>Screen:</strong></td>
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<td><strong>Material:</strong></td>
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<td><strong>OD (mm):</strong></td>
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<td><strong>Open Hole:</strong></td>
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<tr>
<td><strong>from (m):</strong></td>
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<tr>
<td><strong>Pump:</strong></td>
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<td><strong>Model:</strong></td>
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<td><strong>Rate (lpm):</strong></td>
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<td><strong>Level End (m):</strong></td>
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<td><strong>Rec'd intake (m):</strong></td>
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**Laboratory:**

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<td>Molybdenum</td>
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<td>Zinc</td>
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<td>Bicarbonate</td>
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<td>Total Hardness</td>
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<td>Barium</td>
<td>Manganese</td>
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<td>Phosphate</td>
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<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<td>Cobalt</td>
<td>Total Phosphate</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27

**Remarks:**

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Number: 08429

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<td>Type of Work: <strong>New Well</strong></td>
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<td>Drilling Method: <strong>Rotary</strong></td>
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<td>Well Use: <strong>Domestic</strong></td>
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<tr>
<td>Completed Depth: <strong>88.1</strong> (m)</td>
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<td>NPWL (m): <strong>57.9</strong></td>
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<td>OD (mm): <strong>141.2</strong> Thickness (mm): <strong>87.2</strong></td>
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<td>OD (mm): <strong>114.3</strong> Thickness (mm): <strong>87.2</strong></td>
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<td>Top (m):</td>
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<tr>
<td>Bottom (m): <strong>87.2</strong></td>
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<tr>
<td>Perforated How: <strong>Torch</strong></td>
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<tr>
<td>from (m): <strong>48.5</strong> to <strong>87.2</strong> Size:</td>
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<td>from (m): <strong>48.5</strong> to <strong>87.2</strong> Size:</td>
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<td>OD (mm):</td>
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<td>from (m): <strong>48.5</strong> to <strong>87.2</strong> Size:</td>
</tr>
<tr>
<td>from (m): <strong>48.5</strong> to <strong>87.2</strong> Size:</td>
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<td>Open Hole:</td>
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<td>from (m): <strong>48.5</strong> to <strong>87.2</strong></td>
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<tbody>
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<td>Model:</td>
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<td>Intake (m): <strong>67.1</strong></td>
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<td>Level End (m): Drawdown (m):</td>
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<td>Rec'd intake (m): Rec'd Rate (lpm):</td>
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<table>
<thead>
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</thead>
<tbody>
<tr>
<td>pH (pH unit): <strong>COD</strong></td>
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<td>Cond. (µS/cm): <strong>SAR</strong> Nickel</td>
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<tr>
<td>TDS: <strong>TKN</strong> Selenium</td>
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<td>Sodium: <strong>Nitrate</strong> Strontium</td>
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<td>Potassium: <strong>Nitrite</strong> Molybdenum</td>
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<tr>
<td>Calcium: <strong>TN</strong> Vanadium</td>
</tr>
<tr>
<td>Magnesium: <strong>TC</strong> Zinc</td>
</tr>
<tr>
<td>Carbonate: <strong>DIC</strong> Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate: <strong>Arsenic</strong> Total Hardness</td>
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<tr>
<td>Aluminium: <strong>Barium</strong> Manganese</td>
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<tr>
<td>Sulphate: <strong>Beryllium</strong> Phosphate</td>
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<td>Chloride: <strong>Cadmium</strong> Ion Balance</td>
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<td>Fluoride: <strong>Chromium</strong> Amm. Nitrogen</td>
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<td>Iron: <strong>Cobalt</strong> Total Phosphate</td>
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<tr>
<td>TOC: <strong>Copper</strong> Total Alkalinity</td>
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<tr>
<td>Silica: <strong>Lead</strong> Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
NH 10-054-01 W5M

Well Owner: Bell, R.
Drilling Contractor: Unknown Driller

Well Number: 08430
Elevation (AMSL) (m): 782
AEP: 444563
Licence No.: Easting: 61,881.11
Date Started: Northing: 5,943,042.00
Date Completed:

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth 57.9 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory: 09 Jun 83
pH (pH unit) 8.20 COD Mercury
Cond. (µS/cm) 649.0 SAR Nickel
TDS 367.0 TKN Selenium
Sodium 48.07 Nitrate Strontium
Potassium 6.65 Nitrite Molybdenum
Calcium 74.95 TN Vanadium
Magnesium 11.07 TC Zinc
Carbonate 375.21 Arsenic Total Hardness 233.00
Bicarbonate 37.94 Barium Manganese
Aluminium 3.90 Cadmium Ion Balance 0.98
Sulphate 37.94 Beryllium Phosphate
Chloride 3.90 Cobalt Total Phosphate
Fluoride 0.08 Copper TOC 307.0
Iron 0.08 Chromium TOC 307.0
TOC 0.08 Chromium TOC 307.0
Silica 13.40 Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No Project:
AEP Data: Yes Database: 1.000H

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

02/20/98

(printed on)
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 68.6 m
- **NPWL (m):** 41.2
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:

- **Type:** Plastic
- **Depth (m):** 45.1
- **Bottom (m):** 45.1
- **OD (mm):** 152.4
- **Thickness (mm):**
- **Seal Type:** Formation Seal
  - **from (m):**
  - **to:** 45.1

### Liner:

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 45.1
- **Bottom (m):** 67.7
- **Perforated How:** Machine
  - **from (m):** 45.1
  - **to:** 67.7
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**
- **from (m):**
  - **to:**
  - **Size:**

### Screen:

- **Material:**
- **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Open Hole:

- **from (m):**

### Pump:

- **Model:**
- **Intake (m):** 45.7

### Testing:

- **Rate (lpm):** 22.8
- **Time (minute):** 420.0
- **Level End (m):** 45.7
- **Drawdown (m):** 4.6
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H

### AEP Data:

- **Verified:** Yes
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Note:**

- **AEP:** 444566
- **Licence No.:**
- **Easting:** 61,455.80
- **Nothng:** 5,942,909.00
- **Date Started:** 17 Oct 89
- **Date Completed:** 18 Oct 89

---

**Remarks:**

- Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** 47.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 50.3
- **Bottom (m):** 50.3
- **OD (mm):** 115.8
- **Thickness (mm):** 0.0
- **Seal Type:** Driven
- **from (m):** to 50.3

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):** 50.3

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):**
- **Drawdown (m):** 2.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercurry
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log: No Transmissivity: m³/day
- **Gamma Log: No Storativity:**
- **Aquifer Test: No**
- **Project:**
- **Database:** 1.000H
- **AEP Data: Yes** Well Field Verified: No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**Well Number 08433**

**NH 10-054-01 W5M**

**Well Owner:** Geosience Consulting #1  
**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 770  
**AEP:** 444561  
**Licence No.:** Easting: 61,967.93  
**Date Started:** 28 Sep 76  
**Northing:** 5,942,833.73  
**Date Completed:** 28 Sep 76

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

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**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

*printed on 2/20/98*
**NH 10-054-01 W5M**

Well Owner: **Gilks, Tom**

Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**Well Number 08434**

**Elevation (AMSL) (m): 786**

**AEP: 368863**

**Licence No.: Mcginn, Gerald Drilling Ltd.**

**Date Started:** 24 Nov 92

**Date Completed:** 03 Dec 92

**Easting:** 62,527.94

**Northing:** 5,842,711.50

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 115.5 (m)
- **NPWL (m):** 53.3
- **Verified NPWL (m):**
- **Abandonment:**

### Casting:

- **Type:** Plastic
- **Depth (m):** 37.2
- **Bottom (m):** 37.2
- **OD (mm):** 152.4
- **Thickness (mm):** 0.1
- **Seal Type:** Formation Seal
- **from (m):** to 37.2

### Liner:

- **Type:**
- **OD (mm):** 127.0
- **Thickness (mm):** 0.1
- **Top (m):** 37.2
- **Bottom (m):** 114.6
- **Perforated How:** Saw
- **from (m):** to 114.6
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:

- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:

- **from (m):** to

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 11.4
- **Time (minute):** 420.0
- **Level End (m):** 82.3
- **Drawdown (m):** 29.0
- **Rec'd intake (m):** 82.3
- **Rec'd Rate (lpm):** 9.1

### Laboratory:

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

**Transmissivity:** m³/day

### Gamma Log:

**Storativity:**

### Aquifer Test:

**Project:**

**Database:** 1.000H

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

---

**Water Well Positioned by PFRA in 10TM NAD 27**
Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 79.2 m
- **NPWL (m):** 43.8 m
- **Verified NPWL (m):** 43.8 m
- **Abandonment:**
  - **Type:** Plastic
  - **Depth (m):** 47.6
  - **Bottom (m):** 47.6
  - **OD (mm):** 152.4
  - **Thickness (mm):** 0.2
- **Seal Type:** Shale Trap & Bentonite
  - **from (m):** to 47.6

### Liner:
- **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
- **Top (m):** 47.2
- **Bottom (m):** 79.2
- **Perforated How:** Saw
  - **from (m):** to 76.5
  - **Size:**
  - **from (m):** to 70.1
  - **Size:**
  - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:
- **Open Hole:**
  - **from (m):**

### Pump:
- **Model:**
  - **Intake (m):** 77.7
  - **Rate (lpm):** 45.6
  - **Time (minute):** 120.0
- **Level End (m):** 44.2
- **Drawdown (m):** 0.4
- **Rec'd intake (m):** 54.0
- **Rec'd Rate (lpm):** 45.6

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminum:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Lead:**
- **Chromium:**
- **Strontium:**
- **Selenium:**
- **Sodium:**
- **Nitrate:**
- **Chloride:**
- **Sulphate:**
- **Cadmium:**
- **Iron:**
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- **Sodium:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **Manganese:**
- **Silica:**
- **Lead:**
- **Mercury:**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:**
- **Database:** 1.000H

### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

---

**Well Number:** 08436

**Well Owner:** Ollenberg, Lyle

**Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 788

**AEP:** 399766

**Date Started:** 19 Oct 94

**Date Completed:** 21 Oct 94

**Licence No.:** Easting: 61,891.87

**Northing:** 5,943,036.00

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.
### General Information
- **Well Owner:** Patersen, John
- **Drilling Contractor:** Unknown Driller
- **Elevation (AMSL) (m):** 782
- **Licence No.:** AEP: 449070
- **Date Started:** Easting: 61,881.11
- **Date Completed:** Northing: 5,943,042.00

### Depth and Elevation Information
- **NPWL (m):** 91.4
- **Elevation (BGL) (m):** 61,881.11
- **Completed Depth:** 91.4 (m)
- **Verified NPWL (m):** Unknown

### Abandonment Information
- **Abandonment:** Domestic
- **Date Started:** 09 Dec 81
- **Date Completed:**

### Casing Information
- **Type:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:** Domestic

### Lithologic Description
- **Type:**
- **Drilling Method:**
- **Well Use:**
- **Elevation (BGL) (m):**
- **Elevation (AMSL) (m):**

### Screen Information
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Liner Information
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Perforated How Information
- **Size:**
- **Bottom (m):**
- **Size:**
- **Top (m):**

### Casing Information
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

### Open Hole Information
- **from (m):**
- **to**

### Pump Information
- **Model:**
- **Intake (m):**

### Testing Information
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory Information
- **pH (pH unit):** 8.10
- **Cond. (µS/cm):** 630.0
- **TDS:** 317.0
- **Sodium:** 74.98
- **Potassium:** 1.56
- **Calcium:** 33.07
- **Magnesium:** 8.03
- **Carbonate:** 372.16
- **Bicarbonate:**
- **Aluminium:** 14.89
- **Chloride:** 0.10
- **Flouride:** 0.09
- **Iron:** 0.09
- **TOC:** 13.50
- **Silica:**
- **Total Hardness:** 115.00
- **Total Phosphate:** 305.0
- **Total Alkalinity:**

### Electric Log Information
- **Transmissivity:**
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H

### AEP Data Information
- **AEP Data:** Yes
- **Well Field Verified:** No

### Other Information
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Remarks:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

**Printed on:** 2/20/98
**NH 10-054-01 W5M**

**Well Owner:** Patersen, John  
**Drilling Contractor:** Grove Drilling Ltd

**Elevation (AMSL) (m):** 764  
**AEP:** 449076  
**Date Started:**  
**Date Completed:** 10 Sep 79

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 100.6 (m)  
- **NPWL (m):** Verified NPWL (m):  
- **Abandonment:**

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** Drive Shoe  
- **from (m):** to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm): 0.0  
- **Top (m):** Bottom (m): 73.2  
- **Perforated How:** Torch  
- **from (m):** 67.1 to 73.2  
- **from (m):** to  
- **from (m):** to  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **from (m):** to  
- **from (m):** to  

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 31.9  
- **Time (minute):**  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):**  
- **Cond. (µS/cm):**  
- **TDS:**  
- **Sodium:**  
- **Potassium:**  
- **Calcium:**  
- **Magnesium:**  
- **Carbonate:**  
- **Bicarbonate:**  
- **Aluminium:**  
- **Barium:**  
- **Sulphate:**  
- **Chloride:**  
- **Fluoride:**  
- **Iron:**  
- **TOC:**  
- **Silica:**  

**Laboratory Chemical Constituents are in mg/l (ppm). Except as noted.**

### Depths:

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<tr>
<th>Depth (m)</th>
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</tbody>
</table>

### Water Well Positioned by PFRA in 10TM NAD 27
NH 10-054-01 W5M

Well Owner: Reid, Dave
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

Elevation (AMSL) (m): 759
AEP: 351181
Licence No.: Easting: 61,122.05
Date Started: 18 Dec 89
Northing: 5,943,120.50
Date Completed: 28 Dec 89

Well Number: 08439

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 91.7 (m)
NPWL (m): 39.6 Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 47.2 Bottom (m): 47.2
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 47.2

Liner:
Type: Steel
OD (mm): 114.3 Thickness (mm): 0.1
Top (m): 47.2 Bottom (m): 91.7

Perforated How: Torch
from (m): to 91.7 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm): 22.8 Time (minute): 420.0
Level End (m): 48.8 Drawdown (m): 9.1
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminum Barium Manganese
Sulphate Beryllium Phosphorus
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 08440

Well Owner: Sager, Gary
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 782
Licence No.: 444562

Date Started: 19 Mar 80
Date Completed:

**General:**
- Type of Work: Chemistry
- Well Use: Domestic
- Completed Depth: 87.2 (m)
- NPWL (m): 67.1
- Abandonment:

**Casing:**
- Type:
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

**Liner:**
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- Material:
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Intake (m):
- Testing:
  - Rate (lpm):
  - Time (minute):
  - Level End (m):
  - Drawdown (m):
  - Rec’d intake (m):
  - Rec’d Rate (lpm):

**Laboratory:**
19 Mar 80
- pH (pH unit): 7.90
- Cond. (µS/cm): 598.0
- TDS: 347.0
- Sodium: 37.95
- Potassium: 1.56
- Calcium: 71.94
- Magnesium: 16.97
- Carbonate: 392.90
- Bicarbonate: 21.13
- Sulphate: 21.13
- Chloride: 347.0
- Fluoride: 0.15
- Iron: 0.07
- TOC: 15.80
- COD: 7.90
- SAR: 598.0
- TKN: 347.0
- Nitrate: 37.95
- Nitrite: 1.56
- Beryllium: 71.94
- Barium: 16.97
- Manganese: 392.90
- Phosphate: 21.13
- Cadmium: 347.0
- Amm. Nitrogen: 0.15
- Cobalt: 0.07
- Copper: 15.80
- Total Hardness: 258.00
- Total Phosphate: 322.0
- Total Alkalinity: 322.0
- Ion Balance: 0.99
- Total Hardness: 258.00
- Total Phosphate: 322.0
- Total Alkalinity: 322.0
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27
**NH 10-054-01 W5M**

**Well Owner:** Shynkaryk, Ambrose  
**Drilling Contractor:** Unknown Driller

**Well Number:** 08441  
**Elevation (AMSL) (m):** 782  
**AEP:** 444565  
**Date Started:**  
**Easting:** 61,881.11  
**Northing:** 5,943,042.00

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Hand Dug  
- **Well Use:** Domestic  
- **Completed Depth:** 4.9 (m)  
- **NPWL (m):**  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:**  
- **Depth (m):**  
- **Bottom (m):**  
- **OD (mm):**  
- **Thickmess (mm):**  
- **Seal Type:**  
- **from (m):** to  

### Liner:
- **Type:**  
- **OD (mm):**  
- **Thickness (mm):**  
- **Top (m):**  
- **Bottom (m):**  
- **Perforated How:**  
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

### Laboratory:

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### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes  
  **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

*Water Well Positioned by PFRA in 10TM NAD 27*
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 m
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 63.7
- **Bottom (m):** 63.7
- **OD (mm):** 115.8
- **Thickness (mm):** 0.0
- **Seal Type:** Drive Shoe
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Intake (m):**

## Testing:
- **Rate (lpm):**
- **Time (minute):** 480.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):** 61.0
- **Rec'd Rate (lpm):**

## Laboratory:
- **04 Mar 86**
- **pH (pH unit):** 7.80
- **COD:**
- **SAR:** Mercury
- **TN:**
- **DIC:**
- **Bicarbonate:** 333.11
- **Arsenic:** Total Hardness 271.00
- **Aluminum:** Barium
- **Sulphate:** 20.17
- **Chloride:** 120.18
- **Fluoride:** 0.06
- **Iron:** 3.37
- **TOC:**
- **Silica:** 11.30
- **Chemical Constituents are in mg/l (ppm). Except as noted.

## Electric Log:
- **No**
- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Cobalt:**
- **Iron:**
- **TOC:**
- **Silica:** Lead
- **Chromium:**
- **Ammonium:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.

## Chemical Constituents are in mg/l (ppm). Except as noted.

## Project:
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**NW 10-054-01 W5M**

Well Owner: **Dagg, Scott**

Drilling Contractor: **Bar-K Water Well Drilling Ltd.**

---

**Well Number 08443**

**Elevation (AMSL) (m):** 765

**AEP:** 357744

**Licence No.:**

**Easting:** 61,533.61

**Date Started:** 28 Apr 90

**Northing:** 5,943.049.00

**Date Completed:** 02 May 90

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 64.0 (m)
- **NPWL (m):** 17.4
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 49.1
- **Bottom (m):** 49.1
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Drive Shoe
- **from (m):** to 48.5

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 48.5
- **Bottom (m):** 64.0

### Perforated How:
- **Machine**
- **from (m):** 57.9 to 64.0
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):** 57.9

### Testing:
- **Rate (lpm):** 27.4
- **Time (minute):** 420.0
- **Level End (m):** 18.6
- **Drawdown (m):** 1.2
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):** 27.4

---

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrate:**
- **Strontium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N

### Electric Log:
- **Yes**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

---

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Printed on:** 2/20/98
**NW 10-054-01 W5M**

**Well Owner:** Dor Dor Development  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m): 765**  
Date Started: 07 Mar 77  
Date Completed: 08 Mar 77

**Depth Elevation (BGL) (AMSL)**

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<td>17.7</td>
<td>746.9</td>
<td>Sand &amp; Gravel</td>
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**Laboratory:**

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<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
</tr>
<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
</tr>
<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 02/20/98
Well Number 08446

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**  
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**  
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**  
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**  
- **Intake (m):**

**Testing:**
- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**
- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

---
*Chemical Constituents are in mg/l (ppm). Except as noted.*

**Water Well Positioned by PFRA in 10TM NAD 27**
Well Number: 08447

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 78.9 m
- NPWL (m): 35.0
- Abandonment: None

Casing:
- Type: Galvanized Steel
- Depth (m): 45.7
- Bottom (m): 45.7
- OD (mm): 114.3
- Thickness (mm): 0.1
- Seal Type: Formation Seal
- from (m): to 45.7

Liner:
- Type: Galvanized Steel
- OD (mm): 90.4
- Thickness (mm):
- Top (m): Bottom (m): 78.0
- Perforated How: Torch
- from (m): to 78.0
- Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: Intake (m): 44.2

Testing:
- Rate (lpm): 9.1
- Time (minute): 420.0
- Level End (m): 44.2
- Drawdown (m): 9.1
- Rec'd intake (m): Rec'd Rate (lpm):

Laboratory:
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica

- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27
## NW 10-054-01 W5M

**Well Number:** 08448  
**Well Owner:** Steinke, Dale  
**Drilling Contractor:** Big Iron Drilling Ltd.

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Cable Tool  
- **Well Use:** Domestic  
- **Completed Depth:** 96.0 (m)  
- **NPWL (m):** 54.9  
- **Verified NPWL (m):** 54.9  
- **Abandonment:**

### Casting:
- **Type:** Steel  
- **Depth (m):** 60.7  
- **Bottom (m):** 60.7  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 60.7  

### Liner:
- **Type:** Driven  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 59.4  
- **Bottom (m):** 96.0  
- **Perforated How:** Torch  
- **from (m):** to 73.2  
- **Size:** to 76.2  
- **from (m):** to 86.9  
- **Size:** to 89.9  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:** 5g07412  
- **Intake (m):** 85.3  

### Testing:
- **Rate (lpm):** 45.6  
- **Time (minute):** 420.0  
- **Level End (m):** 79.2  
- **Drawdown (m):** 24.4  
- **Rec'd Rate (lpm):** 31.9  
- **Rec'd intake (m):**  

### Laboratory:
- **pH (pH unit):**  
- **COD:** Mercury  
- **SAR:** Nickel  
- **TDS:** TKN  
- **Selenium:**  
- **Nitrate:** Strontium  
- **Nitrite:** Molybdenum  
- **Calcium:** Vanadium  
- **Magnesium:** TC  
- **Zinc:**  
- **Carbonate:** DIC  
- **Hydroxide:**  
- **Bicarbonate:** Arsenic  
- **Total Hardness:**  
- **Barium:** Manganese  
- **Sulphate:** Beryllium  
- **Phosphate:**  
- **Chloride:** Cadmium  
- **Ion Balance:**  
- **Fluoride:** Chromium  
- **Amm. Nitrogen:**  
- **Iron:** Cobalt  
- **Total Phosphate:**  
- **TOC:** Copper  
- **Total Alkalinity:**  
- **Silica:** Lead  
- **Nitrate&Nitrite N:**  

### Electric Log:
- **Transissivity:** m³/day  
- **Gamma Log:** Storativity  
- **Aquitifer Test:**  
- **Project:** Database: 1.000H  
- **AEP Data:** Yes  
- **Well Field Verified:** No

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

---

**Elevation (AMSL) (m):** 789  
**AEP:** 382572  
**Licence No.:** 62,246.88  
**Date Started:** 12 Mar 94  
**Easting:** 5,942,716.50  
**Date Completed:** 21 Mar 94  

---

**Lithologic Description**

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<td>(m)</td>
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<tr>
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<td>778.2</td>
<td>Silt Brown</td>
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<td>12.2</td>
<td>776.8</td>
<td>Silt Gray</td>
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<td>42.7</td>
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<td>46.3</td>
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<td>73.8</td>
<td>715.2</td>
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<tr>
<td>76.5</td>
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<td>88.1</td>
<td>700.9</td>
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<td>96.0</td>
<td>692.9</td>
<td>Shale</td>
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**Printed on:** 02/20/98
### General:
- Type of Work: **New Well**
- Drilling Method: **Rotary**
- Well Use: **Domestic**

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<th>Completed Depth</th>
<th>83.5 (m)</th>
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<td>NPWL (m)</td>
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<table>
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<th>Abandonment:</th>
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<tbody>
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<td>Type: <strong>Steel</strong></td>
<td></td>
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<tr>
<td>Depth (m):</td>
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<tr>
<td>Bottom (m):</td>
<td>50.0</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>141.2</td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td>34.4</td>
</tr>
</tbody>
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<thead>
<tr>
<th>Seal Type: <strong>Formation Seal</strong></th>
<th>from (m): to 82.6</th>
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</thead>
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<tr>
<td>Thickness (mm):</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m): to</td>
<td>Size:</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Size:</td>
</tr>
</tbody>
</table>

### Liner:
- Type: **Torch**
- OD (mm): 114.3
- Thickness (mm): 82.6
- Perforated How: **Torch**
- from (m): 50.0 to 82.6
- Size: 61.0

### Screen:
- Material: **Steel**
- OD (mm): 114.3
- Thickness (mm): 82.6
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

### Open Hole:
- from (m): to

### Pump:
- Model: **Steel**
- Intake (m): 61.0
- Rate (lpm): 16.0
- Time (minute): 420.0
- Level End (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

### Laboratory:
- pH (pH unit): **COD**
- Cond. (µS/cm): **SAR**
- TDS: **TKN**
- Sodium: **Nitrate**
- Potassium: **Nitrite**
- Calcium: **TN**
- Magnesium: **TC**
- Carbonate: **DIC**
- Bicarbonate: **Arsenic**
- Aluminium: **Barium**
- Sulphate: **Beryllium**
- Chloride: **Cadmium**
- Fluoride: **Chromium**
- Iron: **Cobalt**
- TOC: **Copper**
- Silica: **Lead**

### Electric Log: No

### Gamma Log: No

### Aquifer Test: No

### Project: Database: 1.000H

### Well Owner: Tildesley, Murray

### Drilling Contractor: Mcginn, Gerald Drilling Ltd.

### Elevation (AMSL) (m): 762

### Licenced No.: 444556

### Date Started: 20 Jun 79

### Date Completed: 22 Jun 79

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
NW 10-054-01 W5M

Well Owner: Ulrich, Gordon
Drilling Contractor: Unknown Driller

Well Owner: AEP

Elevation (AMSL) (m): 765
Licence No.: 354533
Date Started: Easting: 61,533.61
Date Completed: Northing: 5,943,049.00

---

**General:**
- Type of Work: Chemistry
- Drilling Method: Not Applicable
- Well Use: Domestic
- Completed Depth (m):
- NPWL (m): Verified NPWL (m):
- Abandonment:

**Casing:**
- Type:
  - Depth (m):
  - Bottom (m):
  - Thickness (mm):
- Seal Type:
  - from (m): to

**Liner:**
- Type:
  - OD (mm):
  - Thickness (mm):
- Top (m):
  - Bottom (m):
- Perforated How:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Screen:**
- Material:
  - OD (mm):
  - from (m): to
  - Size:
  - from (m): to
  - Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m):

**Testing:**
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- silica
- COD
- SAR
- TKN
- Nitrate
- Nitrite
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Strontium
- Molybdenum
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Manganese
- Phosphate
- Ion Balance
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrate
- Nitrite
- Lead
- Nitrate
- Nitrite
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

**Electric Log: No**
- Transmissivity: m²/day

**Gamma Log: No**
- Storativity:

**Aquifer Test: No**
- Project: Database: 1.000H
- AEP Data: Yes  Well Field Verified: No

---

*printed on 2/20/98*
**Well Number: 08452**

**SW 10-054-01 W5M**

- **Well Owner:** Gwilliam, Scott
- **Drilling Contractor:** Marwayne Water Well Drilling Services Lt

**Elevation (AMSL) (m):** 777
- **AEP:** 379195
- **Licence No.:** Easting: 61,691.80
- **Date Started:** 18 May 95
- **Northing:** 5,942,516.00
- **Date Completed:** 23 May 95

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 91.4 m
  - **NPWL (m):** 46.9 m
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Plastic
- **Depth (m):** 59.4 m (Top) 59.4 m (Bottom)
- **OD (mm):** 152.4 mm
- **Thickness (mm):** 0.2 mm
- **Seal Type:** Shale Trap & Bentoni
- **from (m):**
- **to:**

### Liner:
- **Type:**
- **OD (mm):** 114.3 mm (Top) 58.5 mm (Bottom)
- **Thickness (mm):** 0.1 mm
- **Perforated How:** Saw
- **from (m):**
  - 61.0 to 65.8 m
  - 67.1 to 73.2 m
  - 79.2 to **Size:**
- **Screen:
- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
  - to **Size:**
- **Open Hole:**
- **from (m):**
- **to**

### Pump:
- **Model:**
- **Intake (m):**
- **Rate (lpm):** 36.5
- **Testing:
- **Time (minute):** 120.0
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**
- **COD:** Mercury
- **SAR:** Nickel
- **TDS:** Selenium
- **TKN:** Strontium
- **Nitrate:** Molybdenum
- **Nitrite:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Bicarbonate:** Arsenic
- **Barium:** Total Hardness
- **Aluminium:** Manganese
- **Sulphate:** Beryllium
- **Chloride:** Phosphate
- **Cadmium:** Ion Balance
- **Fluoride:** Amm. Nitrogen
- **Iron:** Cobalt
- **TOC:** Total Phosphate
- **Silica:** Copper
- **Lead:** Total Alkalinity
- **Nitrates:** Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
**Well Number**: 08453

**Well Owner**: Holomey, Dean

**Drilling Contractor**: Marwayne Water Well Drilling Services Lt

---

### General:

- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic

**Completed Depth** 103.6 (m)

**NPWL (m)**: 54.6  
**Verified NPWL (m)**: 

**Abandonment**:

- **Type**: Plastic
- **Depth (m)**: 54.9  
**Bottom (m)**: 54.9

**OD (mm)**: 152.4  
**Thickness (mm)**: 0.2

**Seal Type**: Shale Trap & Bentonite

**from (m)**: to 54.9

### Casing:

- **Type**: Plastic
- **Depth (m)**: 54.9  
**Bottom (m)**: 54.9

**OD (mm)**: 114.3  
**Thickness (mm)**: 0.1

**Top (m)**: 54.3  
**Bottom (m)**: 103.6

**Perforated How**: Saw

**from (m)**: 61.0 to 103.6  
**Size**: 

**from (m)**: to  
**Size**: 

**from (m)**: to  
**Size**: 

### Liner:

- **Type**: Plastic
- **Depth (m)**: 54.9  
**Bottom (m)**: 54.9

**OD (mm)**: 103.6

### Screen:

- **Material**: Plastic
- **OD (mm)**:  
**from (m)**: to 
**Size**: 

**from (m)**: to 
**Size**: 

**from (m)**:  
**Size**: 

### Open Hole:

- **from (m)**: to 

### Pump:

- **Model**: Intake (m): 97.5

### Testing:

- **Rate (lpm)**: 22.8  
**Time (minute)**: 240.0
- **Level End (m)**: 97.5  
**Drawdown (m)**: 43.0
- **Rec'd intake (m)**: 85.3  
**Rec'd Rate (lpm)**: 22.8

---

**Laboratory**:

- **pH (pH unit)**
- **Cond. (µS/cm)**
- **TDS**
- **Sodium**
- **Potassium**
- **Calcium**
- **Magnesium**
- **Carbonate**
- **Bicarbonate**
- **Aluminium**
- **Sulphate**
- **Chloride**
- **Fluoride**
- **Iron**
- **TOC**
- **Silica**

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<td>mg/l</td>
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<td>Nitrate&amp;Nitrite</td>
<td>mg/l</td>
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### Electric Log:

- **Transmissivity**: m²/day

### Gamma Log:

- **Storativity**:

### Aquifer Test:

- **Project**: Database: 1.000H

### AEP Data:

- **Well Field Verified**: Yes

---

**Remarks**:

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 80.2 (m)
- **NPWL (m):** 30.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 56.1
- **Bottom (m):** 56.1
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Unknown

### Liner:
- **Type:**
- **OD (mm):** 115.8
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 80.2
- **Perforated How:** Torch
  - **from (m):** 56.1 to 80.2
  - **Size:**
  - **from (m):** to 80.2
  - **Size:**

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **OD (mm):**
- **Material:**
- **Size:**
- **Thickness:**
- **OD (mm):**
- **Size:**

### Pump:
- **Model:**
- **Intake (m):** 80.2

### Testing:
- **Rate (lpm):** 20.5
- **Time (minute):** 120.0
- **Level End (m):** 79.2
- **Drawdown (m):** 48.8
- **Rec'd intake (m):** 73.2
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nickel:**
- **Selenium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Strontium:**
- **Plutonium:**
- **Phosphate:**
- **Sulphate:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Barium:**
- **Manganese:**
- **Iron:**
- **Molybdenum:**
- **Zinc:**
- **Iron:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **pH:**
- **COD:**
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Beryllium:**
- **Cadmium:**
- **Chromium:**
- **Cobalt:**
- **Copper:**
- **Lead:**
- **Nickel:**
- **Selenium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Strontium:**
- **Plutonium:**
- **Phosphate:**
- **Sulphate:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Iron:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Water Well Positioned by PFRA in 10TM NAD 27**

---

**Printed on:** 2/20/98
**Well Number 08455**

**SW 10-054-01 W5M**

**Well Owner:** Mclean, Bill

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 772

**AEP:** 444315

**Licence No.:** Easting: 61,525.88

**Date Started:** Northing: 5,942,295.00

**Date Completed:** 18 Nov 76

**Well Use: Domestic**

<table>
<thead>
<tr>
<th>Type of Work:</th>
<th>New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method:</td>
<td>Rotary</td>
</tr>
</tbody>
</table>

**Completed Depth:** 92.7 (m)

**NPWL (m):** 48.2

**Verified NPWL (m):**

**Abandonment:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (m):</td>
<td>51.8</td>
</tr>
<tr>
<td>Bottom (m):</td>
<td>51.8</td>
</tr>
<tr>
<td>OD (mm):</td>
<td>141.2</td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td>0.1</td>
</tr>
</tbody>
</table>

**Seal Type:** Formation Seal

| from (m): | to | 51.8 |

**Liner:**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Torch</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm):</td>
<td>114.3</td>
</tr>
<tr>
<td>Thickness (mm):</td>
<td></td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
</tr>
</tbody>
</table>

**Perforated How:**

| from (m): | to | 91.7 |

| Size: | |

**Screen:**

| Material: | |
| OD (mm): | |
| from (m): | to |
| Size: | |
| from (m): | to |
| Size: | |

**Open Hole:**

| from (m): | to |

**Pump:**

| Model: | Intake (m): |
| Rate (lpm): | 22.8 |
| Time (minute): | 1440.0 |
| Level End (m): | 64.9 |
| Drawdown (m): | 16.8 |
| Rec'd intake (m): | Rec'd Rate (lpm): |

**Laboratory:**

| Chemical Constituents are in mg/l (ppm). Except as noted. |
| pH (pH unit): | COD |
| Cond. (µS/cm): | SAR |
| TDS: | TKN |
| Sodium: | Nitrate |
| Potassium: | Nitrite |
| Calcium: | Molybdenum |
| Magnesium: | TN |
| Carbonate: | TC |
| Bicarbonate: | Zinc |
| Aluminium: | Arsenic |
| Sulphate: | Beryllium |
| Chloride: | Cadmium |
| Fluoride: | Chromium |
| Iron: | Cobalt |
| TOC: | Copper |
| Silica: | Lead |
| | |

| Electric Log: | No |
| Transmissivity: | m³/day |
| Gamma Log: | No |
| Storativity: | |
| Aquifer Test: | No |
| Project: | Database: 1.000H |
| AEP Data: | Yes |
| Well Field Verified: | No |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

*printed on 2/20/98*
SW 10-054-01 W5M

Well Number: 08456

Well Owner: Waldbillig, K
Drilling Contractor: Cobob Pumps And Services Ltd.

Elevation (AMSL) (m): 780
Licence No.: Easting: 61,582.01
Date Started: 24 Oct 90 Northing: 5,941,950.50
Date Completed: 28 Oct 90

**General:**
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 106.7 (m)
- NPWL (m): 57.9
- Verified NPWL (m):
- Abandonment:

**Casing:**
- Type: Steel
- Depth (m): 46.6 Bottom (m): 46.6
- OD (mm): 141.2 Thickness (mm): 0.1
- Seal Type: Drive Shoe
- from (m): to 45.7

**Liner:**
- Type: Steel
- OD (mm): 114.3 Thickness (mm): 0.1
- Top (m): 42.7 Bottom (m): 106.7
- Perforated How: Machine
- from (m): 91.4 to 103.6 Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material: Steel
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model: Gould
- Intake (m):

**Testing:**
- Rate (lpm): 31.9 Time (minute): 120.0
- Level End (m): 76.2 Drawdown (m): 18.3
- Rec'd Rate (lpm): Rec'd intake (m): 22.8

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- COD
- SAR
- TKN
- Nitrate
- Molybdenum
- TC
- DIC
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Selenium
- Strontium
- Manganese
- Phosphate
- Vanadium
- Zinc
- Hydroxide
- Total Hardness
- Amm. Nitrogen
- Total Phosphate
- Total Alkalinity
- Nitrates
- Nitrites
- Bicarbonate
- Carbonate
- Sulfate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Lead

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation**

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.8 777.8 Sand &amp; Gravel</td>
<td>3.1</td>
<td>775.5</td>
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<tr>
<td>16.8 762.8 Clay</td>
<td>20.1</td>
<td>759.5</td>
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<tr>
<td>28.0 751.6 Shale Light Brown</td>
<td>34.4</td>
<td>745.2</td>
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<tr>
<td>49.1 730.5 Shale Gray</td>
<td>50.3</td>
<td>729.3</td>
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<td>50.9 728.7 Shale Gray</td>
<td>54.6</td>
<td>725.0</td>
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<td>57.3 722.3 Silstone</td>
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<td>721.6</td>
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<tr>
<td>61.0 718.6 Shale Green</td>
<td>65.5</td>
<td>714.1</td>
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<td>68.0 711.6 Shale Green</td>
<td>71.0</td>
<td>708.6</td>
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<tr>
<td>72.5 707.1 Shale Gray</td>
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<td>704.0</td>
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<td>75.9 703.7 Coal</td>
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<td>701.0</td>
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<td>79.2 700.4 Shale Brown</td>
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<td>699.2</td>
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<tr>
<td>81.4 698.2 Shale Gray</td>
<td>81.7</td>
<td>697.9</td>
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<tr>
<td>82.0 697.6 Shale Green</td>
<td>84.1</td>
<td>695.5</td>
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<tr>
<td>85.3 694.3 Shale Gray</td>
<td>87.2</td>
<td>692.4</td>
</tr>
<tr>
<td>90.2 689.4 Sandstone</td>
<td>91.4</td>
<td>688.2</td>
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<tr>
<td>96.6 683.0 Sandstone</td>
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<td>101.5 678.1 Shale Gray</td>
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<td>676.9</td>
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<tr>
<td>105.2 674.4 Sandstone</td>
<td>106.7</td>
<td>672.9</td>
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</tbody>
</table>

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Project:**
- Database: 1.000H
- AEP Data: Yes
- Well Field Verified: No

**EPA Log:**
- No
- Transmissivity: m²/day
- Gamma Log: No
- Storativity:
- Aquifer Test: No
- Project: Database: 1.000H

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**General:**  
Type of Work: **New Well**  
Drilling Method: **Rotary**  
Well Use: **Domestic**  
Completed Depth: **85.3** m  
NPWL (m): **29.6**  
Verified NPWL (m): ****  
Abandonment: ****

**Casing:**  
Type: **Galvanized Steel**  
Depth (m): **51.2**  
Bottom (m): **51.2**  
OD (mm): **114.3**  
Thickness (mm): **0.0**  
Seal Type: **Driven**  
from (m): ****  
to ****

**Liner:**  
Type: ****  
OD (mm): ****  
Thickness (mm): ****  
Top (m): ****  
Bottom (m): ****  
Perforated How:  
from (m): ****  
to ****  
Size: ****  
from (m): ****  
to ****  
Size: ****  
from (m): ****  
to ****  
Size: ****

**Screen:**  
Material: ****  
OD (mm): ****  
from (m): ****  
to ****  
Size: ****  
from (m): ****  
to ****  
Size: ****  
from (m): ****  
to ****  
Size: ****

**Open Hole:**  
from (m): ****  
to ****

**Pump:**  
Model: ****  
Intake (m): **51.2**

**Testing:**  
Rate (lpm): **11.4**  
Time (minute): **120.0**  
Level End (m): **51.2**  
Drawdown (m): **21.6**  
Rec'd intake (m): **51.2**  
Rec'd Rate (lpm): **9.1**

**Laboratory:**  
- pH (pH unit): ****  
- COD: **Mercury**  
- SAR: **Nickel**  
- TDS: **Selenium**  
- Sodium: **Strontium**  
- Nitrate: **Sodium**  
- Nitrite: **Molybdenum**  
- Calcium: **Vanadium**  
- Magnesium: **Zinc**  
- Carbonate: **Hydroxide**  
- Bicarbonate: **Total Hardness**  
- Barium: **Manganese**  
- Sulphate: **Phosphate**  
- Beryllium: ****  
- Chloride: **Ion Balance**  
- Cadmium: ****  
- Chromium: **Amm. Nitrogen**  
- Iron: ****  
- Cobalt: ****  
- TOC: ****  
- Copper: ****  
- Total Alkalinity: ****  
- Silica: ****  
- Lead: **Nitrate&Nitrite N**

**Remarks:**  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth**  
BGL (m) | AMSL (m) | Lithologic Description  
--- | --- | ---  
4.6 | 766.0 | Clay Brown  
15.2 | 755.3 | Clay Blue  
35.0 | 735.5 | Sandstone Brown  
39.9 | 730.6 | Shale Gray  
42.4 | 728.2 | Sandstone Gray  
51.5 | 719.0 | Shale Gray  
52.4 | 718.1 | Sandstone Blue  
75.6 | 695.0 | Shale Gray  
77.7 | 692.8 | Sandstone Blue  
82.3 | 688.3 | Shale Gray  
83.5 | 687.0 | Sandstone Gray  
85.3 | 685.2 | Shale Brittle

**Electric Log:** **No**  
Transmissivity: **m²/day**  
Gamma Log: **No**  
Storativity: ****  
Aquifer Test: **No**  
Project: ****  
Database: **1.000H**  
AEP Data: **Yes**  
Well Field Verified: **No**

**Well Number:** 08457  
**Licence No.:** AEP: 363748  
**Date Started:** 10 Aug 81  
**Date Completed:** 11 Aug 81  
**Elevation (AMSL) (m):** 771  
**Easting:** 61,495.93  
**Northing:** 5,942,406.00

**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
**NW 11-054-01 W5M**

**Well Owner:** De Groot, Jim  
Drilling Contractor: Mcginn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 770  
**AEP:** 354068  
**Easting:** 63,023.17  
**Northing:** 5,942,840.00  
**Date Started:** 01 Oct 80  
**Date Completed:** 03 Oct 80

### General

<table>
<thead>
<tr>
<th>Type of Work</th>
<th>New Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Method</td>
<td>Rotary</td>
</tr>
<tr>
<td>Well Use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Completed Depth</td>
<td>74.4 (m)</td>
</tr>
<tr>
<td>NPWL (m)</td>
<td>42.7</td>
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<tr>
<td>Abandonment</td>
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### Casting

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<th>Type</th>
<th>Steel</th>
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<tr>
<td>Depth (m)</td>
<td>43.6</td>
</tr>
<tr>
<td>Bottom (m)</td>
<td>43.6</td>
</tr>
<tr>
<td>OD (mm)</td>
<td>141.2</td>
</tr>
<tr>
<td>Thickness (mm)</td>
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### Liner

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<tr>
<th>Type</th>
<th>Driven</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm)</td>
<td>114.3</td>
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<td>Thickness (mm)</td>
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</tr>
<tr>
<td>Top (m)</td>
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<tr>
<td>Bottom (m)</td>
<td>73.5</td>
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### Perforated How

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<th>Size</th>
<th>Torch</th>
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<tbody>
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<td>from (m):</td>
<td>7.3</td>
</tr>
<tr>
<td>to</td>
<td>43.6</td>
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<tr>
<td>Size</td>
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<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td></td>
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### Screen

<table>
<thead>
<tr>
<th>Material</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OD (mm)</td>
<td></td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td>Size</td>
</tr>
<tr>
<td>from (m):</td>
<td></td>
</tr>
<tr>
<td>to</td>
<td>Size</td>
</tr>
</tbody>
</table>

### Open Hole

| from (m): | |
| to | |

### Pump

<table>
<thead>
<tr>
<th>Model</th>
<th>Intake (m):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate (lpm)</td>
<td>11.4</td>
</tr>
<tr>
<td>Testing</td>
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<tr>
<td>Time (minute)</td>
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<tr>
<td>Level End (m)</td>
<td>51.8</td>
</tr>
<tr>
<td>Rec'd intake (m):</td>
<td>9.1</td>
</tr>
<tr>
<td>Rec'd Rate (lpm):</td>
<td></td>
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### Laboratory

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
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<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
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<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
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<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
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<td>Barium</td>
<td>Manganese</td>
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<td>Phosphorus</td>
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<td>Amm. Nitrogen</td>
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<td>Total Phosphate</td>
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<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
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<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate&amp;Nitrite N</td>
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### Electric Log

<table>
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<tr>
<th>Electric Log</th>
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<tr>
<td>Gamma Log</td>
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<tr>
<td>Storativity</td>
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<tr>
<td>Aquifer Test</td>
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<td>Project</td>
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<tr>
<td>Database</td>
<td>1.000H</td>
</tr>
<tr>
<td>AEP Data</td>
<td>Yes</td>
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<tr>
<td>Well Field Verified</td>
<td>No</td>
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**Remarks:**  
Water Well Positioned by PFRA in 10TM NAD 27

**printed on 2/20/98**
# NW 11-054-01 W5M

**Well Owner:** Glen Deering Const Ltd  
**Drilling Contractor:** D&D Water Well Drilling & Services  

**Elevation (AMSL) (m):** 770  
**AEP:** 378946  
**Licence No.:** 63,091.77  
**Date Started:** 26 Jun 95  
**Easting:** 5,043,056.50  
**Date Completed:** 27 Jun 95

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 82.0 (m)  
- **NPWL (m):** 40.5  
- **Verified NPWL (m):**  
- **Abandonment:**  

### Casing:
- **Type:** Plastic  
- **Depth (m):** 46.3  
- **Bottom (m):** 46.3  
- **OD (mm):** 152.4  
- **Thickness (mm):** 0.1  
- **Seal Type:** Shale Trap & Bentonite  
- **from (m):** to 46.3

### Liner:
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):** 0.1  
- **Top (m):** 44.8  
- **Bottom (m):** 82.0  
- **Perforated How:** Saw  
- **from (m):** to 57.9  
- **Size:**  
- **from (m):** to 81.4  
- **Size:**  
- **from (m):** to  

### Screen:
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):** 82.0  

### Testing:
- **Rate (lpm):** 36.5  
- **Time (minute):** 120.0  
- **Level End (m):** 68.6  
- **Drawdown (m):** 28.0  
- **Rec'd intake (m):** 61.0  
- **Rec'd Rate (lpm):** 22.8

### Laboratory:
- **pH (pH unit):**  
- **COD:**  
- **SAR:**  
- **TDS:**  
- **TKN:**  
- **Sodium:**  
- **Nitrate:**  
- **Selenium:**  
- **Potassium:**  
- **Calcium:**  
- **Molybdenum:**  
- **Magnesium:**  
- **TC:**  
- **Zinc:**  
- **Carbonate:**  
- **DIC:**  
- **Hydroxide:**  
- **Bicarbonate:**  
- **Arsenic:**  
- **Total Hardness:**  
- **Aluminum:**  
- **Barium:**  
- **Manganese:**  
- **Sulphate:**  
- **Beryllium:**  
- **Phosphate:**  
- **Chloride:**  
- **Cadmium:**  
- **Ion Balance:**  
- **Fluoride:**  
- **Chromium:**  
- **Amm. Nitrogen:**  
- **Iron:**  
- **Cobalt:**  
- **Total Phosphate:**  
- **TOC:**  
- **Copper:**  
- **Total Alkalinity:**  
- **Silica:**  
- **Lead:**  
- **Nitrates&Nitrite N:**  

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day  
- **Gamma Log:**  
- **Storativity:**  
- **Aquifer Test:**  
- **TOC:**  
- **Intake (m):**  
- **Model:**  
- **Testing:**  
- **Time (minute):**  
- **Rate (lpm):**  
- **Drawdown (m):**  
- **Rec'd Rate (lpm):**  
- **Rec'd intake (m):**  

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

---

*Chemical Constituents are in mg/l (ppm). Except as noted.*
Well Number 08461

Well Owner: Leishman, Monty
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 770
Licence No.: 448158
Date Started: Unknown
Date Completed: Unknown

General:
Type of Work: Chemistry
Drilling Method: Unknown
Well Use: Domestic
Completed Depth 79.2 (m)
NPWL (m): Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type:
from (m): to

Liner:
Type:
OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m): Drawdown (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory: 27 Sep 83
pH (pH unit) 8.30 COD Mercury
Cond. (µS/cm) 1586 SAR Nickel
TDS 997.0 TKN Selenium
Sodium 379.96 Nitrate Strontium
Potassium 2.35 Nitrite Molybdenum
Calcium 4.01 TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 646.71 Arsenic Total Hardness 14.00
Aluminum Barium Manganese
Sulphate 290.10 Beryllium Phosphate
Chloride Cadmium Ion Balance 1.01
Fluoride 0.06 Chromium Amm. Nitrogen
Iron 0.25 Cobalt Total Phosphate
TOC Copper Total Alkalinity 531.0
Silica 15.80 Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

printed on 2/20/98
**NW 11-054-01 W5M**

**Well Owner:** Skeels, Bryan

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

---

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 78.9 (m)

**NPWL (m):** 45.7

**Elevation (AMSL) (m):** 770

**Licence No.:** Easting: 63,118.16

**Date Started:** 02 May 77

**Drilling Contractor:** Northing: 5,942,871.50

**Date Completed:** 04 May 77

---

**Depth**

**Elevation**

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**Casing:**
- **Type:** Steel
- **Depth (m):** 51.8
- **OD (mm):** 114.2
- **Bottom (m):** 51.8
- **Thickness (mm):** 78.0

**Seal Type:** Formation Seal

**from (m):** to 51.8

**Liner:**
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** Bottom (m): 78.0

**Perforated How:** Torch

**from (m):** to 78.0

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**

**from (m):** to

---

**Pump:**

**Model:**

**Intake (m):** 56.4

**Testing:**

**Rate (lpm):** 22.8

**Time (minute):** 420.0

**Level End (m):** 56.4

**Drawdown (m):** 10.7

**Rec'd intake (m):**

**Rec'd Rate (lpm):**

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**Laboratory:**

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<td>Nitrate &amp; Nitrite N</td>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on:** 2/20/98
Well Number 08464

Well Owner: Trueman, Richard
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 770
Licence No.: 444564
Date Started: 01 Jan 52
Date Completed: 01 Jan 52
Easting: 63,091.77
Northing: 5,943,056.50

General:
Type of Work: Chemistry
Drilling Method: Hand Dug
Well Use: Domestic
Completed Depth 12.8 (m)
NPWL (m): 9.1
Verified NPWL (m):
Abandonment:

Casing:
Type:
Depth (m):
OD (mm):
Seal Type:

Liner:
Type:
OD (mm):
Top (m):
Perforated How:

Screen:
Material:
OD (mm):

Open Hole:
from (m):
to

Pump:
Model:
Intake (m):

Testing:
Rate (lpm):
Time (minute):
Level End (m):
Rec'd intake (m):
Rec'd Rate (lpm):

Laboratory:
18 Feb 75

pH (pH unit) 7.50
Cond. (µS/cm) 850.0
TDS 502.0
Sodium 16.10
Potassium 2.35
Calcium 108.02
Magnesium 35.02
Carbonate 40.88
Bicarbonate
Barium
Aluminium
Nitrate
Nitrite
Sulphate
Beryllium
Chloride
Fluoride 0.26
Iron 0.60
TOC
Silica

Chemical Constituents are in mg/l (ppm). Except as noted.

Electric Log: No
Transmissivity: m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**Well Information**

**Well Number:** 08465

**Well Owner:** Trueman, Richard

**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m):** 770

**AEP:** 444580

**Licence No.:** Easting: 63,091.77

**Date Started:** 02 Jun 75

**Northing:** 5,943,056.50

**Date Completed:** 04 Jun 75

**Water Well Positioned by PFRA in 10TM NAD 27**

### General Information

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 60.7 m
- **NPWL (m):** 42.7

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<th>Lithologic Description</th>
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<tr>
<td>6.1</td>
<td>763.9 Clay Yellow</td>
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<td>14.3</td>
<td>755.7 Clay &amp; Rocks Blue</td>
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<td>751.7 Sand &amp; Gravel</td>
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<td>37.8</td>
<td>732.2 Clay Yellow</td>
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<td>39.3</td>
<td>730.7 Shale Greenish Gray</td>
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<tr>
<td>41.2</td>
<td>728.9 Shale Sandy Gray</td>
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<tr>
<td>42.7</td>
<td>727.3 Clay Yellow</td>
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<td>44.5</td>
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<td>711.5 Shale Sandy Gray</td>
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<td>710.6 Shale Brown</td>
</tr>
<tr>
<td>60.7</td>
<td>709.4 Shale Dark Gray</td>
</tr>
</tbody>
</table>

### Casing Information

- **Type:** Galvanized Steel
- **Depth (m):** 45.4
- **Bottom (m):** 45.4
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1

### Seal Type

- **Formation Seal**
- **Bottom (m):** 45.4

### Liner Information

- **Type:**
- **OD (mm):** 90.4
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):** 59.7

### Perforated Area

- **From (m):** 45.4
- **To:** 59.7
- **Size:**

### Screen Information

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **From (m):**
- **To:**

### Open Hole Information

- **From (m):**
- **To:**

### Pump Information

- **Model:**
- **Intake (m):** 50.3

### Testing

- **Rate (lpm):** 16.0
- **Time (minute):** 420.0
- **Level End (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory Data

- **pH:** 7.30
- **Cond. (µS/cm):** 775.0
- **SAR:**
- **TKN:**
- **Nitrate:**
- **Selenium:**
- **Total Hardness:**
- **DIC:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Phosphate:**
- **Barium:**
- **Manganese:**
- **Beryllium:**
- **Phosphorus:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Cobalt:**
- **Iron:**
- **Copper:**
- **Total Alkalinity:**
- **Lead:**
- **Nitrite & Nitrate:**
- **Chloride:**
- **Iron:**
- **Cadmium:**
- **Total Nitrate:**
- **Fluoride:**
- **Chromium:**
- **Calcium:**
- **Magnesium:**
- **Zinc:**
- **Barium:**
- **Manganese:**
- **Arsenic:**
- **Total Phosphate:**
- **TOC:**
- **Lead:**
- **Nitrite & Nitrate:**

### Electric Log

- **Transmissivity:** m³/day
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **AEP Data:** Yes
- **Database:** 1.000H

### Remarks

Chemical Constituents are in mg/l (ppm). Except as noted.
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth: 86.9 (m)
NPWL (m): 41.2 Verified NPWL (m): Abandonment:
- Type: Steel
  - Depth (m): 42.4 Bottom (m): 42.4
  - OD (mm): 141.2 Thickness (mm): 0.1
- Seal Type: Driven
  - from (m): to 42.4
Linier:
- Type: Driven
  - OD (mm): 114.3 Thickness (mm): 0.1
  - Top (m): 42.4 Bottom (m): 86.0
- Perforated How: Machine
  - from (m): 42.4 to 86.0 Size:
  - from (m): to Size:
  - from (m): to Size:
Screen:
- Material:
  - OD (mm):
    - from (m): to Size:
    - from (m): to Size:
Open Hole:
- from (m): to
Pump:
- Model:
  - Intake (m):
Testing:
- Rate (lpm): 6.8 Time (minute): 420.0
- Level End (m): 68.6 Drawdown (m): 27.4
- Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit):
- Cond. (µS/cm):
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminium
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

Well Owner: Mccormick, Janet & Ellis, R
Drilling Contractor: Mcginn, Gerald Drilling Ltd.
Elevation (AMSL) (m): 783
Date Started: 22 Mar 90
Date Completed: 26 Mar 90

Elevation (BGL) (m) Lithologic Description
(m) (m) Clay Yellow
6.1 776.6 Clay Blue
20.4 762.3 Clay Yellow
26.2 756.5 Clay Blue
26.8 755.9 Clay Yellow
40.5 742.2 Clay Blue
44.8 737.9 Clay Yellow
47.6 735.2 Shale Green
53.3 729.4 Shale Gray
61.3 721.4 Shale Sandy Gray
61.9 720.8 Shale Gray
63.4 719.3 Shale Sandy Gray
67.1 715.7 Shale Gray
68.6 714.1 Shale & Coal Brown
71.0 711.7 Shale Gray
73.8 708.9 Shale Sandy Gray
77.7 705.0 Shale Green
82.9 699.8 Shale Sandy Gray
86.9 695.8 Shale Gray

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 11-054-01 W5M**

**Well Owner:** Mccormick, Jim  
**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

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<th>Depth Elevation (BGL) (AMSL) (m)</th>
<th>Lithologic Description</th>
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| --- | | |
| Type: | | |
| OD (mm): 114.3 | | |
| Thickness (mm): | | |

| Screen: | | |
| --- | | |
| Material: | | |
| OD (mm): | | |

| Open Hole: | | |
| --- | | |
| from (m): | | |

| Pump: | | |
| --- | | |
| Model: | | |
| Intake (m): 57.9 | | |

| Testing: | | |
| --- | | |
| Rate (lpm): 6.8 | | |
| Time (minute): 420.0 | | |
| Level End (m): 57.9 | | |
| Drawdown (m): 19.8 | | |
| Rec'd intake (m): | | |

| Laboratory: | | |
| --- | | |
| 22 Dec 83 | | |

| pH (pH unit): 8.40 | COD | Mercury |
| Cond. (µS/cm): 1240 | SAR | Nickel |
| TDS 754.0 | TKN | Selenium |
| Sodium: 192.97 | Nitrate | Strontium |
| Potassium: 2.35 | Nitrite | Molybdenum |
| Calcium: 70.94 | TN | Vanadium |
| Magnesium: 11.07 | TC | Zinc |
| Carbonate: 9.00 | DIC | Hydroxide |
| Bicarbonate: 503.94 | Arsenic | Total Hardness 223.00 |
| Aluminium: 5.14 | Barium | Manganese |
| Sulphate: 218.06 | Beryllium | Phosphate |
| Chloride: 3.02 | Cadmium | Ion Balance 0.98 |
| Fluoride: 0.12 | Chromium | Amm. Nitrogen |
| Iron: 0.18 | Cobalt | Total Phosphate |
| TOC: 24.00 | Copper | Total Alkalinity 429.0 |
| Silica: 40.00 | Lead | Nitrate & Nitrite N |

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*

---

**Database:** 1.000H

**Project:**

**Electric Log:** No  
**Transmissivity:** mm²/day  
**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No

**AEP Data:** Yes  
**Well Field Verified:** No
General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic
Completed Depth 35.0 (m)
NPWL (m): 22.9
Abandonment:

Casing:
Type: Plastic
Depth (m): 31.7
Bottom (m): 31.7
OD (mm): 152.4
Thickness (mm): 0.1
Seal Type: Bentonite Chips/Tabl
from (m): to 29.6

Liner:
OD (mm):
Top (m):
Bottom (m):
Perforated How:
from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: St
OD (mm): 1.5
from (m): 31.7 to 33.2
Size: 0.01
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model:
Intake (m): 33.2

Testing:
Rate (lpm): 22.8
Time (minute): 120.0
Level End (m): 29.3
Drawdown (m): 6.4
Rec’d intake (m): 31.1
Rec’d Rate (lpm): 13.7

Laboratory:

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<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
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<td>TKN</td>
<td>Selenium</td>
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</tr>
<tr>
<td>Silicon</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

NE 12-054-01 W5M

Well Number 08469

Well Owner: Daechsel, Ed
Drilling Contractor: D&D Water Well Drilling & Services

Elevation (AMSL) (m): 782
AEP: 397134
Licence No.: Easting: 65,825.49
Date Started: 07 Sep 94
Northing: 5,943,027.00
Date Completed: 08 Sep 94

Depth Elevation
(BGL) (AMSL)

<table>
<thead>
<tr>
<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<tbody>
<tr>
<td>8.2</td>
<td>774.0</td>
<td>Clay Sandy Yellow</td>
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<td>29.6</td>
<td>752.7</td>
<td>Clay Blue</td>
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<tr>
<td>33.5</td>
<td>748.7</td>
<td>Sand &amp; Gravel</td>
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<tr>
<td>35.0</td>
<td>747.2</td>
<td>Clay Blue</td>
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Electric Log: No
Transmissivity: m³/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Printed on 2/20/98
**NE 12-054-01 W5M**

Well Owner: **Duechsel, Jim**  
Drilling Contractor: **Mcginn, Gerald Drilling Ltd.**

**Well Number**: 08470  
**Elevation (AMSL) (m)**: 782  
**AEP**: 444598

<table>
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<tr>
<th>Licence No.</th>
<th>Easting</th>
<th>Northing</th>
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<tbody>
<tr>
<td></td>
<td>65,825.49</td>
<td>5,943,027.00</td>
</tr>
</tbody>
</table>

**Date Started**: 12 Oct 68

### General:
- **Type of Work**: New Well  
- **Drilling Method**: Rotary  
- **Well Use**: Domestic & Stock

**Completed Depth** 82.6 (m)  
**NPWL (m)**: Verified NPWL (m): Abandonment:

**Casing**:
- **Type**: Galvanized Steel  
- **Depth (m)**: 63.4  
- **Bottom (m)**: 63.4  
- **OD (mm)**: 101.6  
- **Thickness (mm)**: 0.1  
- **Seal Type**: Driven  
- from (m): to

**Liner**:
- **Type**:  
- **OD (mm)**: Thickness (mm):  
- **Top (m)**: Bottom (m):  
- **Perforated How**:
  - from (m): to Size:  
  - from (m): to Size:  
  - from (m): to Size:

**Screen**:
- **Material**:  
- **OD (mm)**:  
- from (m): to Size:  
- from (m): to Size:  

**Open Hole**:
- **from (m): to**

**Pump**: **Sub**  
**Model**: Mcdoagall  
**Intake (m):**

**Testing**:
- **Rate (lpm)**: 13.7  
- **Time (minute)**: 570.0  
- **Level End (m)**: **Drawdown (m)**:  
- **Rec'd intake (m):**

**Laboratory**: 19 Nov 68

<table>
<thead>
<tr>
<th>pH (pH unit)</th>
<th>COD</th>
<th>Mercury</th>
</tr>
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<tbody>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
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<td>TC</td>
<td>Zinc</td>
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<td>DIC</td>
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<td>Bicarbonate</td>
<td>Arsenic</td>
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<td>Chloride</td>
<td>2.13</td>
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<td>Fluoride</td>
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<td>2.48</td>
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<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity 445.0</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks**: Water Well Positioned by PFRA in 10TM NAD 27

**Database**: Project: 1.000H  
**AEP Data**: Yes  
**Well Field Verified**: No
SE 12-054-01 W5M

Well Owner: Packer, Gail
Drilling Contractor: Unknown Driller

Well Information:
- Well Number: 08471
- Elevation (AMSL) (m): 775
- License No.: AEP: 444595
- Date Started: Easting: 65,799.81
- Date Completed: Northing: 5,942,557.50

General:
- Type of Work: Chemistry
- Drilling Method: Unknown
- Well Use: Domestic
- Completed Depth: 24.4 (m)
- NPWL (m): Verified NPWL (m):
- Abandonment:

Casing:
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type: from (m): to

Liner:
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

Screen:
- Material: 
- OD (mm):
  - from (m): to Size:
  - from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model: 
- Intake (m):

Testing:
- Rate (lpm): 
- Time (minute):
- Level End (m):
  - Drawdown (m):
  - Rec'd intake (m):
  - Rec'd Rate (lpm):

Laboratory:
- pH (pH unit) COD
- Cond. (µS/cm) SAR
- TDS TKN
- Sodium Nitrate
- Potassium Nitrite
- Calcium TN
- Magnesium TC
- Carbonate DIC
- Bicarbonate Arsenic
- Sulphate Beryllium
- Chloride Cadmium
- Fluoride Chromium
- Iron Cobalt
- TOC Copper
- Silica Lead

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

print on 2/20/98
Water Well Positioned by PFRA in 10TM NAD 27
**Well Number**: 08473

**Well Owner**: Robinson, Keith

**Drilling Contractor**: McGinn, Gerald Drilling Ltd.

**Elevation (AMSL) (m)**: 775

**AEP**: 444591

**Date Started**: 08 Apr 86

**Date Completed**: 09 Apr 86

### General:
- **Type of Work**: New Well
- **Drilling Method**: Rotary
- **Well Use**: Domestic

**Completed Depth**: 36.6 m

**NPWL (m)**: 12.2

**Verified NPWL (m)**: 

**Abandonment**: 

### Casing:
- **Type**: Plastic
- **Depth (m)**: 30.8
- **Bottom (m)**: 30.8

**OD (mm)**: 127.0

**Thickness (mm)**: 

**Seal Type**: from (m): to

### Liner:
- **Type**: 
- **OD (mm)**: 
- **Thickness (mm)**: 

**Top (m)**: Bottom (m):

**Perforated How**:
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:
- **from (m)**: to **Size**:

### Screen:
- **Material**: St
- **OD (mm)**: 0.9
- **from (m)**: 30.8 **to** 32.0 **Size**: 0.01

**from (m)**: to **Size**:

### Open Hole:
- **from (m)**: to

### Pump:
- **Model**: 
- **Intake (m)**: 24.4

### Testing:
- **Rate (lpm)**: 91.2
- **Time (minute)**: 420.0
- **Level End (m)**: 24.4
- **Drawdown (m)**: 12.2

**Rec’d intake (m)**: 

**Rec’d Rate (lpm)**: 

### Laboratory:
- **pH (pH unit)**: 
- **Cond. (µS/cm)**: 
- **TDS**: TKN
- **Sodium**: Nitrate
- **Potassium**: Nitrite
- **Calcium**: TN
- **Magnesium**: TC
- **Carbonate**: DIC
- **Bicarbonate**: Arsenic
- **Aluminum**: Barium
- **Sulphate**: Beryllium
- **Chloride**: Cadmium
- **Fluoride**: Chromium
- **Iron**: Cobalt
- **TOC**: Copper
- **Silica**: Lead

**COD**

**pH (pH unit)**

**SAR**

**Mercury**

**Nickel**

**Selenium**

**Strontium**

**Molybdenum**

**Vanadium**

**Zinc**

**Hydroxide**

**Total Hardness**

**Manganese**

**Phosphate**

**Ion Balance**

**Amm. Nitrogen**

**Total Phosphate**

**Total Alkalinity**

**Nitrates & Nitrite N**

**Dissolved Inorganic Carbon (DIC)**

**Manganese**

**Phosphate**

**Sulphate**

**Iron**

**Copper**

**Lead**

**Well Field Verified**: No

**Chemical Constituents are in mg/l (ppm). Except as noted.**

Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**
  - **Type:**
  - **Depth (m):** Bottom (m):
  - **OD (mm):** Thickness (mm):
  - **Seal Type:** from (m): to

### Casing:
- **Type:**
- **Depth (m):** to Size:
- **OD (mm):** to Size:
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **Liner:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

### Screen:
- **Material:**
- **OD (mm):** to Size:
- **Top (m):** Bottom (m):
- **Open Hole:** from (m): to

### Pump:
- **Model:** Intake (m):
- **Testing:**
  - **Rate (lpm):** Time (minute):
  - **Level End (m):** Drawdown (m):
  - **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** 8.20
- **Cond. (µS/cm):** 2300 SAR
- **TDS:** 1535 TKN 0.01
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** 24.05 TN Vanadium
- **Magnesium:** 0.97 TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness 66.00
- **Aluminium:** Barium Manganese
- **Sulphate:** 402.01 Beryllium Phosphate
- **Chloride:** 2.13 Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** 1.40 Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity 749.0
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **TOC:** Copper Total Alkalinity 749.0
- **Project:** Database: 1.00H
- **AEP Data:** Yes Well Field Verified: No

### Water Well Positioned by PFRA in 10TM NAD 27

*Chemical Constituents are in mg/l (ppm), Except as noted.*
Well Number: 10679

Well Owner: Larsen, Fred
Drilling Contractor: Summer's Drilling Ltd.

Elevation (AMSL) (m): 758
Licence No.: 447915
Date Started: 07 Oct 82
Easting: 9,268.68
Date Completed: 10 Oct 82
Northing: 5,939,979.00

**General:**
- Type of Work: New Well
- Drilling Method: Bored
- Well Use: Domestic & Stock
- Completed Depth: 22.6 (m)
- NPWL (m): 11.9
- Abandonment:
- Licence No.: Easting: 9,268.68
- Northing: 5,939,979.00
- Date Started: 07 Oct 82
- Date Completed: 10 Oct 82

**Casing:**
- Type: Galvanized Steel
- Depth (m): 22.6
- Bottom (m): 22.6
- OD (mm): 635.0
- Thickness (mm): 0.0
- Seal Type: Puddled Clay
- from (m): to 3.1

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

**Screen:**
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- Model:
- Intake (m): 19.8

**Testing:**
- Rate (lpm): 20.5
- Time (minute): 60.0
- Level End (m): 19.8
- Drawdown (m): 7.9
- Rec'd intake (m): 19.8
- Rec'd Rate (lpm): 18.2

**Laboratory:**
- pH (pH unit)
- Cond. (µS/cm)
- TDS
- Sodium
- Potassium
- Calcium
- Magnesium
- Carbonate
- Bicarbonate
- Aluminum
- Sulphate
- Chloride
- Fluoride
- Iron
- TOC
- Silica
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**Database:**
**AEP Data:** Yes
**Well Field Verified:** No
**NW 05-054-06 W5M**

**Well Owner:** Mattoon, Larry  
**Drilling Contractor:** McGinn, Gerald Drilling Ltd.

<table>
<thead>
<tr>
<th>General:</th>
<th>Depth (m)</th>
<th>Elevation (m)</th>
<th>Lithologic Description</th>
</tr>
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<tbody>
<tr>
<td><strong>Type of Work:</strong> New Well</td>
<td>6.7</td>
<td>771.6</td>
<td>Clay Yellow</td>
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<tr>
<td><strong>Elevation (AMSL) (m):</strong></td>
<td>12.2</td>
<td>766.1</td>
<td>Clay Blue</td>
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<tr>
<td><strong>Completed Depth (m):</strong></td>
<td>21.3</td>
<td>757.0</td>
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<tr>
<td><strong>Well Use:</strong> Domestic</td>
<td>23.8</td>
<td>754.5</td>
<td>Gravel</td>
</tr>
<tr>
<td><strong>Licence No.:</strong></td>
<td>26.2</td>
<td>752.1</td>
<td>Shale Green</td>
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<tr>
<td><strong>Date Started:</strong></td>
<td>28.0</td>
<td>750.2</td>
<td>Shale Sandy Gray</td>
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<td><strong>Drilling Contractor:</strong> Northing:</td>
<td>29.3</td>
<td>749.0</td>
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<td><strong>Date Completed:</strong></td>
<td>30.2</td>
<td>748.1</td>
<td>Shale &amp; Coal Soft Brown</td>
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<td><strong>Type of Work:</strong> New Well</td>
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<td>Coal</td>
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<td><strong>Well Owner:</strong> Mattoon, Larry</td>
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<td>Shale Gray</td>
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<td><strong>Date Started:</strong></td>
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<td><strong>Date Completed:</strong></td>
<td>43.9</td>
<td>734.4</td>
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<td><strong>Elevation Depth (m) (BGL):</strong></td>
<td>44.8</td>
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<td><strong>Type of Work:</strong> New Well</td>
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<td>Coal</td>
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<tr>
<td><strong>Well Owner:</strong> Mattoon, Larry</td>
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<td>728.6</td>
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<td><strong>Drilling Contractor:</strong> McGinn, Gerald Drilling Ltd.</td>
<td>61.6</td>
<td>716.7</td>
<td>Shale Sandy Gray</td>
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<tr>
<td><strong>Date Started:</strong></td>
<td>62.5</td>
<td>715.8</td>
<td>Shale &amp; Coal Brown</td>
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<tr>
<td><strong>Date Completed:</strong></td>
<td>65.2</td>
<td>713.1</td>
<td>Shale Greenish Gray</td>
</tr>
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</table>

| Laboratory: | 
|-------------| |
| **pH (pH unit):** | COD | Mercury |
| **Cond. (µS/cm):** | SAR | Nickel |
| **TDS:** | TKN | Selenium |
| **Sodium:** | Nitrate | Strontium |
| **Potassium:** | Nitrite | Molybdenum |
| **Calcium:** | TN | Vanadium |
| **Magnesium:** | TC | Zinc |
| **Carbonate:** | DIC | Hydroxide |
| **Bicarbonate:** | Arsenic | Total Hardness |
| **Aluminum:** | Barium | Manganese |
| **Sulphate:** | Beryllium | Phosphates |
| **Chloride:** | Cadmium | Ion Balance |
| **Fluoride:** | Chromium | Amm. Nitrogen |
| **Iron:** | Cobalt | Total Phosphate |
| **TOC:** | Copper | Total Alkalinity |
| **Silica:** | Lead | Nitrate & Nitrite N |

| Testing: | 
|-----------| |
| **Rate (lpm):** | 31.9 | Transmissivity: m³/day |
| **Time (minute):** | 120.0 | Storativity: |
| **Intake (m):** | 42.7 | Aquifer Test: |
| **Level End (m):** | 36.6 | TOC: |
| **Rec'd Rate (lpm):** | 31.9 | TOC: |
| **Rec'd intake (m):** | 31.9 | TOC: |

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
**SE 05-054-06 W5M**

**Well Owner:** Craddock, R.
**Drilling Contractor:** Unknown Driller

<table>
<thead>
<tr>
<th>Well Number: 10681</th>
<th>Elevation (AMSL) (m): 769</th>
<th>AEP: 447911</th>
</tr>
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<tbody>
<tr>
<td>Licence No.:</td>
<td>Date Started:</td>
<td>Easting: 10,037.53</td>
</tr>
<tr>
<td></td>
<td>Date Completed:</td>
<td>Northing: 5,939,865.50</td>
</tr>
</tbody>
</table>

**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Stock
- **Completed Depth:** 18.3 (m)
- **NPWL (m):** 7.6
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Wood
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:
- **from (m): to Size:**

**Screen:**
- **Material:**
- **OD (mm):** to Size:
- **from (m): to Size:**

**Open Hole:**
- **from (m): to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **31 Mar 69**

<table>
<thead>
<tr>
<th>Chemical Constituents are in mg/l (ppm). Except as noted.</th>
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</thead>
<tbody>
<tr>
<td>pH (pH unit)</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
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<tr>
<td>TDS 1042</td>
</tr>
<tr>
<td>Sodium</td>
</tr>
<tr>
<td>Potassium</td>
</tr>
<tr>
<td>Calcium</td>
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<tr>
<td>Magnesium</td>
</tr>
<tr>
<td>Carbonate</td>
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<tr>
<td>Bicarbonate</td>
</tr>
<tr>
<td>Aluminium</td>
</tr>
<tr>
<td>Sulphate 278.09</td>
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<tr>
<td>Chloride 24.11</td>
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<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Iron 0.92</td>
</tr>
<tr>
<td>TOC</td>
</tr>
<tr>
<td>Silica</td>
</tr>
</tbody>
</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27
SE 05-054-06 W5M

Well Owner: Maerz, Ralph
Drilling Contractor: Morrill's Water Well Drilling Ltd.

Well Number: 10682
Elevation (AMSL) (m): 769
Licence No.: 447913
Date Started: 01 Dec 88
Easting: 10,037.53
Morrill's Water Well Drilling Ltd.
Northing: 5,939,865.50
Date Completed: 01 Dec 88

<table>
<thead>
<tr>
<th>Lithologic Description</th>
<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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</thead>
<tbody>
<tr>
<td>Clay</td>
<td>11.0</td>
<td>758.2</td>
</tr>
<tr>
<td>Gravel</td>
<td>14.3</td>
<td>754.8</td>
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<tr>
<td>Shale Green</td>
<td>16.5</td>
<td>752.7</td>
</tr>
<tr>
<td>Gravel</td>
<td>19.8</td>
<td>749.4</td>
</tr>
<tr>
<td>Shale Brown</td>
<td>22.6</td>
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<td>Shale Green</td>
<td>35.4</td>
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<td>Shale Gray</td>
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<td>731.4</td>
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<tr>
<td>Shale Gray</td>
<td>40.2</td>
<td>728.9</td>
</tr>
<tr>
<td>Shale &amp; Sandstone Gray</td>
<td>43.0</td>
<td>726.2</td>
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<tr>
<td>Coal</td>
<td>46.9</td>
<td>722.2</td>
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<tr>
<td>Coal</td>
<td>48.8</td>
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<td>50.0</td>
<td>719.2</td>
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<tr>
<td>Sand Gray</td>
<td>52.1</td>
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<td>714.0</td>
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<tr>
<td>Shale Gray</td>
<td>57.3</td>
<td>711.9</td>
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</table>

General:
- Type of Work: **New Well**
- Well Use: **Domestic**
- Completed Depth: 57.3 (m)
- NPWL (m): 25.9
- Verified NPWL (m):
- Abandonment:
- **Casing:**
  - Type: **Steel**
  - Depth (m): 23.2
  - Bottom (m): 23.2
- **OD (mm):**
  - **141.2**
- **Thick. (mm):**
  - **0.1**
- **Seal Type:**
  - **Driven**
  - **from (m):**
  - **to 23.2**
- **Liner:**
  - **Type:**
  - **OD (mm):**
    - **114.3**
  - **Thick. (mm):**
  - **Top (m):**
    - **20.7**
  - **Bottom (m):**
    - **57.3**
- **Perforated How:**
  - **Machine**
  - from (m): 39.0
  - to 57.3
  - Size:
  - from (m): to
  - Size:
  - from (m): to
  - Size:
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - from (m): to
  - from (m): to
  - to
- **Open Hole:**
  - from (m): to
- **Pump:**
  - **Model:**
  - Intake (m): 48.8
- **Testing:**
  - **Rate (lpm):**
    - 22.8
  - **Time (minute):**
    - 120.0
  - **Level End (m):**
    - 48.8
  - **Drawdown (m):**
    - 22.3
  - **Rec'd Rate (lpm):**
    - 51.8
  - **Rec'd intake (m):**
    - 48.8

Laboratory:
- pH (pH unit)
- COD
- Mercury
- Cond. (µS/cm)
- SAR
- Nickel
- TDS
- TKN
- Selenium
- Sodium
- Nitrate
- Strontium
- Potassium
- Nitrite
- Molybdenum
- Calcium
- TN
- Vanadium
- Magnesium
- TC
- Zinc
- Carbonate
- DIC
- Hydroxide
- Bicarbonate
- Arsenic
- Total Hardness
- Aluminum
- Barium
- Manganese
- Sulphate
- Beryllium
- Phosphate
- Chloride
- Cadmium
- Ion Balance
- Fluoride
- Chromium
- Amm. Nitrogen
- Iron
- Cobalt
- Total Phosphate
- TOC
- Copper
- Total Alkalinity
- TOC
- Lead
- Nitrate & Nitrite N
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
**General:**

| Type of Work: | Chemistry |
| Drilling Method: | Unknown |
| Well Use: | Domestic |
| Completed Depth (m): | 21.9 |
| NPWL (m): | Verified NPWL (m): |
| Abandonment: | |

**Casing:**

| Type: | |
| Depth (m): | Bottom (m): |
| OD (mm): | Thickness (mm): |
| Seal Type: | from (m): to |

**Liner:**

| Type: | |
| OD (mm): | Thickness (mm): |
| Top (m): | Bottom (m): |
| Perforated How: from (m): to | Size: |
| from (m): to | Size: |
| from (m): to | Size: |

**Screen:**

| Material: | |
| OD (mm): | from (m): to | Size: |
| from (m): to | Size: |

**Open Hole:**

| from (m): to | |

**Pump:**

| Model: | Intake (m): |
| Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec’d intake (m): | Rec’d Rate (lpm): |

**Laboratory:**

| pH (pH unit): | 8.30 |
| Cond. (µS/cm): | 1895 |
| TDS: | 1288 |
| Sodium: | 454.94 |
| Potassium: | 2.35 |
| Calcium: | 40.08 |
| Magnesium: | 4.99 |
| Carbonate: | 880.98 |
| Bicarbonate: | 350.14 |
| Aluminium: | 0.94 |
| Sulphate: | 0.35 |
| Chloride: | 19.60 |
| Fluoride: | 880.98 |
| Iron: | 350.14 |
| TOC: | 0.94 |
| Silica: | 0.35 |

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Number 10683**

**Well Owner:** Larsen, Fred

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 760

**AEP:** 449142

**Date Started:**

**Easting:** 9,270.66

**Northing:** 5,940,024.50

**Date Completed:**

**Licence No.:**

Printed on 2/20/98
**General:**
- Type of Work: **Chemistry**
- Drilling Method: **Bored**
- Well Use: **Domestic**
- Completed Depth: **18.9 m**
- NPWL (m): **9.1**
- Veriﬁed NPWL (m): **11.1**
- Abandonment: 

**Casing:**
- Type: 
- Depth (m): Bottom (m):
- OD (mm): Thickness (mm):
- Seal Type:
- from (m): **to**

**Liner:**
- Type: 
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): **to** Size:
- from (m): **to** Size:
- from (m): **to** Size:

**Screen:**
- Material: 
- OD (mm):
- from (m): **to** Size:
- from (m): **to** Size:

**Open Hole:**
- from (m): **to**

**Pump:**
- Model: 
- Intake (m):

**Testing:**
- Rate (lpm): Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m): Rec'd Rate (lpm):

**Laboratory:**

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<th>Value</th>
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<td>Cond. (µS/cm)</td>
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<td>TDS</td>
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<tr>
<td>Sodium</td>
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<td>Potassium</td>
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<tr>
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<tr>
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<tr>
<td>Total Phosphate</td>
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**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Water Well Positioned by Mow-Tech in 10TM NAD 27
**NE 06-054-06 W5M**

**Well Owner:** Christensen, Esten R.  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 764  
**AEP:** 447921  
**Licence No.:** Easting: 8,908.59  
**Date Started:** Northing: 5,940,712.00  
**Date Completed:**

---

### General
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic

<table>
<thead>
<tr>
<th>Completed Depth (m)</th>
<th>NPWL (m)</th>
<th>(m)</th>
<th>Verified NPWL (m):</th>
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<tbody>
<tr>
<td>64.0</td>
<td>18.3</td>
<td>5,940,712.00</td>
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</tr>
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</table>

**Abandonment:**

**Casing:**
- **Type:** 
  - Depth (m): Bottom (m):
  - OD (mm): Thickness (mm):
  - Seal Type:
  - from (m): to

**Liner:**
- **Type:** 
  - OD (mm): Thickness (mm):
  - Top (m): Bottom (m):
  - Perforated How:
  - from (m): to Size: 
  - from (m): to Size: 
  - from (m): to Size:

**Screen:**
- **Material:** 
  - OD (mm):
  - from (m): to Size: 
  - from (m): to Size: 
  - from (m): to Size:

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**  
- **Rate (lpm):**  
- **Time (minute):**  
- **Level End (m):**  
- **Drawdown (m):**  
- **Rec’d Rate (lpm):**

---

### Laboratory

<table>
<thead>
<tr>
<th>Chemical Constituents</th>
<th>Value</th>
<th>Remarks</th>
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<tr>
<td>Cond. (µS/cm)</td>
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<td>Copper Total Alkalinity 827.0</td>
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<tr>
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<td>8.00</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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<td>Iron</td>
<td>8.50</td>
<td>Mercury</td>
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<td>8.90</td>
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<tr>
<td>Silica</td>
<td>8.90</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
<td></td>
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</tr>
</tbody>
</table>

---

### Electric Log
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** Yes
- **Project:** Database: 1.000H
- **AEP Data:** VGR: Yes Well Field Verified: No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**printed on:** 2/20/98
**SE 06-054-06 W5M**

**General:**
- **Well Owner:** Shrigley, Archie
- **Drilling Contractor:** Unknown Driller
- **Well Use:** Domestic
- **Completed Depth:** 50.3 m
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to **Size:**
- **from (m):** to **Size:**

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** 8.40
- **Cond. (µS/cm):** 2270
- **TDS:** 1352
- **Sodium:** 454.94
- **Potassium:** 1.96
- **Calcium:** 21.04
- **Magnesium:**
- **Carbonate:** 8.10
- **Bicarbonate:** 903.56
- **Aluminium:**
- **Sulphate:** 419.78
- **Chloride:**
- **Fluoride:** 0.39
- **Iron:** 1.82
- **TOC:**
- **Silica:** 14.30

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Printed on:** 2/20/98
Well Owner: Strangway, Dean
Drilling Contractor: Morrill'S Water Well Drilling Ltd.

General:
- Type of Work: Deepened
- Drilling Method: Rotary
- Well Use: Domestic
- Completed Depth: 73.2 m
- NPWL (m): 29.0
- Abandonment:
- Type: Galvanized Steel
- Depth (m): 53.3
- Bottom (m): 53.3
- OD (mm): 114.3
- Thickness (mm):
- Seal Type:
- from (m): to

Casing:
- Type: Galvanized Steel
- Depth (m): 53.3
- Bottom (m): 53.3
- OD (mm): 114.3
- Thickness (mm):
- Seal Type:
- from (m): to

Liner:
- Type:
- OD (mm): Thickness (mm):
- Top (m): Bottom (m):
- Perforated How:
- from (m): to Size:
- from (m): to Size:
- from (m): to Size:

Screen:
- Material:
- OD (mm):
- from (m): to Size:
- from (m): to Size:

Open Hole:
- from (m): to

Pump:
- Model:
- Intake (m):

Testing:
- Rate (lpm): 18.2
- Time (minute):
- Level End (m): Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

Laboratory:
- 23 Feb 68
- pH (pH unit):
- Cond. (µS/cm):
- TDS 1808
- TKN
- Sodium
- Nitrate
- Potassium
- Nitrite
- Calcium
- TN
- Magnesium
- Zinc
- Carbonate
- DIC
- Bicarbonate
- Arsenic
- Total Hardness 171.00
- Aluminum
- Barium
- Manganese
- Sulphate 626.79
- Beryllium
- Phosphate
- Chloride 9.93
- Cadmium
- Fluoride 0.30
- Chromium
- Cobalt
- Iron 3.38
- Total Phosphate
- TOC
- Copper
- Total Alkalinity 610.0
- Silica
- Lead
- Nitrate
- Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Well Number 10688
Elevation (AMSL) (m): 770
AEP: 447918
Licence No.: 770
Date Started:
Eastings: 8,290.25
Date Completed: 01 Jan 68
Northing: 5,940,334.00

Depth Elevation
(BGL) (AMSL) Lithologic Description
(m) (m)
12.2 758.2 Clay
15.2 755.2 Sand Brown
24.4 746.0 Sand & Shale Brown
39.6 730.8 Shale Gray
42.7 727.7 Shale & Coal
47.2 723.2 Sandstone Gray
48.8 721.6 Shale Gray
51.8 718.6 Shale Dark
57.9 712.5 Shale Gray
61.0 709.4 Sand & Shale Gray
64.0 706.4 Shale Gray
73.2 697.3 Sand & Shale

Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No
Well Number: 10689

Well Owner: Ringland, Ed
Drilling Contractor: L&C Drig

Elevation (AMSL) (m): 770
AEP: 447926
Licence No.: Easting: 8,606.17
Date Started: 25 Aug 78
Northing: 5,941,434.50
Date Completed: 30 Aug 78

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Stock
- Completed Depth: 60.0 (m)
- NPWL (m): 24.4
- Verifed NPWL (m): Abandonment:
  - Casting: Type: Steel
    - Depth (m): 56.1
    - Bottom (m): 56.1
    - OD (mm): 115.8
    - Thickness (mm):
    - Seal Type: Driven
      - from (m): 26.5
      - to 56.1

Casing:
- Type: Steel
- OD (mm): 115.8
- Thickness (mm):
- From (m): to
- Bottom (m):

Screen:
- Material: Steel
- OD (mm):
- Top (m): to
- Bottom (m): Size:
- Perforated How:
  - from (m): to
  - Size:
- from (m): to
  - Size:
- from (m): to
  - Size:

Open Hole:
- from (m): to

Liner:
- Type: Steel
- OD (mm): 115.8
- Thickness (mm):
- Top (m): to
  - Bottom (m): Size:
- from (m): to
    - Size:
- from (m): to
    - Size:

Pump:
- Type: Hand
- Model: Intake (m): 27.4

Testing:
- Rate (lpm): 22.8
- Time (minute): 720.0
- Level End (m): 27.4
- Drawdown (m): 3.1
- Rec'd intake (m): 38.4
- Rec'd Rate (lpm):

Laboratory:
- pH (pH unit): COD: Mercury
- Cond. (µS/cm): SAR: Nickel
- TDS: TKN: Selenium
- Sodium: Nitrate: Strontium
- Potassium: Nitrite: Molybdenum
- Calcium: TN: Vanadium
- Magnesium: TC: Zinc
- Carbonate: DIC: Hydroxide
- Bicarbonate: Arsenic: Total Hardness
- Aluminum: Barium: Manganese
- Sulphate: Beryllium: Phosphate
- Chloride: Cadmium: Iron Balance
- Fluoride: Chromium: Amm. Nitrogen
- Iron: Cobalt: Total Phosphorus
- TOC: Copper: Total Alkalinity
- Silica: Lead: Nitrate&Nitrite N

Electric Log: No
Transmissivity:  m²/day
Gamma Log: No
Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes
Well Field Verified: No

Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**SE 07-054-06 W5M**  
**Well Number:** 10690

**Well Owner:** Boyson, Dwight  
**Drilling Contractor:** Morrill’S Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 770  
**AEP:** 350798  
**Licence No.:** Easting: 8,820.02  
**Date Started:** 14 Mar 90  
**Northing:** 5,941,623.50  
**Date Completed:** 14 Mar 90

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic  
- **Completed Depth:** 51.2 (m)  
- **NPWL (m):** 23.8  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 29.6  
- **Bottom (m):** 29.6  
- **OD (mm):** 177.8  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** to 29.6  

### Liner:
- **Type:** Driven  
- **OD (mm):** 139.7  
- **Thickness (mm):** 0.1  
- **Top (m):** 26.2  
- **Bottom (m):** 51.2  
- **Perforated How:** Machine  
- **from (m):** to 51.2  
- **Size:**

### Screen:
- **Material:**
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**
- **Intake (m):** 36.6  
- **Rate (lpm):** 36.5  
- **Time (minute):** 120.0  
- **Level End (m):** 32.0  
- **Drawdown (m):** 8.2  
- **Rec’d intake (m):**  
- **Rec’d Rate (lpm):**

### Laboratory:

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<tr>
<td>Silica</td>
<td>Lead</td>
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### Depth Elevation

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<td>26.2</td>
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<td>51.2</td>
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### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Transmissivity:** m²/day  
**Storativity:**

**Aquifer Test:** No  
**To: Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No

printed on 2/20/98
Well Number: 10691

Well Owner: Boyson, Dwight
Drilling Contractor: Morrill'S Water Well Drilling Ltd.

Elevation (AMSL) (m): 770
Licence No.: 447931
Date Started: 14 Dec 87
Easting: 8,820.02
Date Completed: 15 Dec 87
Northing: 5,941,623.50

**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 106.1 (m)
  - NPWL (m): 27.4
  - Verified NPWL (m):
- **Abandonment:**
- **Casing:**
  - **Type:** Plastic
  - **Depth (m):** 42.1
  - **OD (mm):** 139.7
  - **Thickness (mm):**
  - **Seal Type:** Driven
  - **from (m):** to 42.1
- **Liner:**
  - **Type:**
  - **OD (mm):** 114.3
  - **Thickness (mm):**
  - **Top (m):** 40.8
  - **Bottom (m):** 106.1
- **Perforated How:** Machine
  - **from (m):** to 51.8
  - **Size:**
  - **from (m):** to 69.5
  - **Size:**
  - **from (m):** to 103.0
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):** to Size:
- **Open Hole:**
  - **from (m):** to
- **Pump:**
  - **Model:**
  - **Intake (m):** 70.1
- **Testing:**
  - **Rate (lpm):** 11.4
  - **Time (minute):** 360.0
  - **Level End (m):** 70.1
  - **Drawdown (m):** 42.7
  - **Rec'd intake (m):** 73.2
  - **Rec'd Rate (lpm):** 9.1

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
  - **TKN:**
  - **Sodium:**
  - **Nitrate:**
  - **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
  - **Arsenic:**
  - **Total Hardness:**
- **Aluminum:**
  - **Barium:**
  - **Manganese:**
- **Sulphate:**
  - **Beryllium:**
  - **Phosphate:**
- **Chloride:**
  - **Cadmium:**
  - **Ion Balance:**
- **Fluoride:**
  - **Chromium:**
    - **Amm. Nitrogen:**
  - **Iron:**
  - **Cobalt:**
  - **Total Phosphate:**
  - **TOC:**
  - **Copper:**
  - **Total Alkalinity:**
  - **TOC:**
  - **Copper:**
  - **Total Alkalinity:**
- **Silica:**
  - **Lead:**
    - **Nitrate & Nitrite N:**

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>(m)</th>
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<td>43.0</td>
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**Electric Log:** No  
**Transmissivity:** m²/day

**Gamma Log:** No  
**Storativity:**

**Aquifer Test:** No  
**Project:** Database: 1.000H

**AEP Data:** Yes  
**Well Field Verified:** No
**SE 07-054-06 W5M**

**Well Number:** 10692

**Well Owner:** June, Cecil

**Drilling Contractor:** Morrill's Water Well Drilling Ltd.

**Elevation (AMSL) (m):** 770

**Licence No.:** 449099

**Date Started:** 08/08/02

**Northing:** 5,941,623.50

**Date Completed:** 01 Feb 71

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### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 41.2 (m)
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing

- **Type:** Steel
- **Depth (m):** 41.2
- **Bottom (m):** 41.2
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:**
- **from (m):**
- **to:**

### Liner

- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen

- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole

- **from (m):**
- **to:**

### Pump

- **Model:**
- **Intake (m):**

### Testing

- **Rate (lpm):** 22.8
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd Rate (lpm):**
- **Rec'd intake (m):**

### Laboratory

- **pH (pH unit):** 8.20
- **Cond. (µS/cm):** 3130
- **TDS:** 2219
- **Sodium:** 594.09
- **Nitrate:**
- **Strontium:**
- **Potassium:** 5.08
- **Nitrite:**
- **Molybdenum:**
- **Calcium:** 164.93
- **TN:**
- **Vanadium:**
- **Magnesium:** 22.98
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:** 699.17
- **Arsenic:**
- **Total Hardness:** 509.00
- **Aluminium:**
- **Barium:**
- **Manganese:**
- ** Sulphate:** 1086.92
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Iron Balance:** 1.06
- **Fluoride:** 0.25
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:** 5.21
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 574.0
- **Silica:** 10.00
- **Lead:**
- **Nitrate&Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

- **Transmissivity:** m³/day
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

Water Well Positioned by PFRA in 10TM NAD 27

*printed on: 2/20/98*
SE 07-054-06 W5M

Well Owner: June, Cecil
Drilling Contractor: Morrill'S Water Well Drilling Ltd.

Well Number: 10693
Elevation (AMSL) (m): 770
Licence No.: 770
Date Started: 31 Jan 68
Easting: 8,820.02
Northing: 5,941,623.50

General:
- Type of Work: New Well
- Drilling Method: Rotary
- Well Use: Domestic

Completed Depth: 82.3 (m)
NPWL (m): 2.4
Verified NPWL (m):
Abandonment:

Casing:
- Type: Steel
  - Depth (m): 47.2
  - Bottom (m): 47.2
  - OD (mm): 141.2
  - Thickness (mm):
  - Seal Type: from (m) to
  - to

Liner:
- Type: OD (mm):
  - Thickness (mm):
  - Top (m): from (m) to
  - Bottom (m):

Perforated How:
- from (m) to
- Size:
- from (m) to
- Size:
- from (m) to
- Size:

Screen:
- Material: OD (mm):
  - from (m) to
  - Thickness (mm):
  - to

Open Hole:
- from (m) to
  - Size:

Pump: Working Barrel
- Model:
- Intake (m):
  - Rate (lpm): 22.8
  - Time (minute):

Testing:
- Level End (m):
  - Drawdown (m):
  - Rec'd intake (m):
  - Rec'd Rate (lpm):

Laboratory:
- pH (pH unit) COD Mercury
  - Cond. (µS/cm) SAR Nickel
  - TDS TKN Selenium
  - Sodium Nitrate Strontium
  - Potassium Nitrite Molybdenum
  - Calcium TN Vanadium
  - Magnesium TC Zinc
  - Carbonate DIC Hydroxide
  - Bicarbonate Arsenic Total Hardness
  - Aluminium Barium Manganese
  - Sulphate Beryllium Phosphate
  - Chloride Cadmium Ion Balance
  - Fluoride Chromium Amm. Nitrogen
  - Iron Cobalt Total Phosphate
  - TOC Copper Total Alkalinity
  - Silica Lead Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

printed on 2/20/98
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic

**Completed Depth:** 91.4 m
- **NPWL (m):** 25.9
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):** Bottom (m):
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:** from (m): to
- **Date Started:** 12 Sep 69

### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

### Screen:
- **Material:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):** Drawdown (m):
  - **from (m):** to
  - **Size:**

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **12 Sep 69**

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<td>Cond. (µS/cm)</td>
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<td>Lead</td>
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<tr>
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<td>Nitrite N</td>
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</table>

- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:**
- **Project:** Database: 1.000H
- **AEP Data:** Yes  Well Field Verified: No

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number 10694**

**Well Owner:** June, Cecil

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 770
**Licence No.:**
**Date Started:**
**Date Completed:**
**Easting:** 8,820.02
**Northing:** 5,941,623.50

**AEP:** 447922
## General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 54.9 m
- **NPWL (m):** 25.3
- **Abandonment:**

## Casing:
- **Type:** Concrete
- **Depth (m):** 28.7
- **Bottom (m):** 28.7
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to

## Liner:
- **Type:**
- **OD (mm):** 101.6
- **Thickness (mm):**
- **Top (m):** 27.4
- **Bottom (m):** 54.9
- **Perforated How:**
- **from (m):** 28.7 to 54.9
- **Size:**
- **from (m):** to Size:
- **from (m):** to Size:

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

## Open Hole:
- **from (m):** to

## Pump:
- **Model:**
- **Rate (lpm):** 9.1
- **Time (minute):** 2400.0
- **Level End (m):** 33.5
- **Rec'd intake (m):** 42.7
- **Rec'd Rate (lpm):** 13.7

## Laboratory:
- **20 Aug 73**
- **pH (pH unit):** 8.00
- **Cond. (µS/cm):** 1300
- **TDS:** 999.0
- **Sodium:** 175.03
- **Potassium:** 3.52
- **Calcium:** 166.93
- **Magnesium:** 9.00
- **Carbonate:** DIC
- **Bicarbonate:** 693.07
- **Aluminum:** Barium
- **Sulphate:** 297.79
- **Chloride:** Cadmium
- **Fluoride:** 0.27
- **Iron:** 1.40
- **TOC:** Copper
- **Silica:** Lead
- **Laboratory:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**
- **Remarks:**

## Electric Log:
- **transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

---

*Remarks: Water Well Positioned by PFRA in 10TM NAD 27*
## General:
- **Type of Work:** Deepened
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 74.4 (m)  
  - NPWL (m): 30.5  
  - Verified NPWL (m):  
- **Abandonment:**

## Casing:
- **Type:** Steel
- **Depth (m):** 30.5  
  - Bottom (m): 30.5
- **OD (mm):** 141.2  
  - Thickness (mm):  
- **Seal Type:** Driven
- **from (m):** to 30.5

## Liner:
- **Type:**
- **OD (mm):** 114.3  
  - Thickness (mm): 0.1
- **Top (m):** 29.6  
  - Bottom (m): 74.4
- **Perforated How:** Torch
- **from (m):** to 74.4  
  - Size:  
- **from (m):** to  
  - Size:  
- **from (m):** to  
  - Size:  

## Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:  

## Open Hole:
- **from (m):** to  

## Pump:
- **Model:** S0641 Valley
- **Intake (m):** 48.8

## Testing:
- **Rate (lpm):** 22.8  
  - Time (minute): 120.0
- **Level End (m):** 39.6  
  - Drawdown: (m): 9.1
- **Rec'd intake (m):** 30.5  
  - Rec'd Rate (lpm): 22.8

## Laboratory:
- **31 May 82**
- **pH (pH unit):** 8.50  
  - COD: Mercury
- **Cond. (µS/cm):** 1651  
  - SAR: Nickel
- **TDS:** 1092  
  - TKN: Selenium
- **Sodium:** 255.99  
  - Nitrate: Strontium
- **Potassium:** 3.13  
  - Nitrite: Molybdenum
- **Calcium:** 116.03  
  - TN: Vanadium
- **Magnesium:** 17.02  
  - TC: Zinc
- **Carbonate:** 15.00  
  - DIC: Hydroxide
- **Bicarbonate:** 704.87  
  - Arsenic: Total Hardness 360.00
- **Aluminum:** 22.43  
  - Barium: Manganese
- **Sulphate:** 334.77  
  - Beryllium: Phosphate
- **Chloride:** 2.13  
  - Cadmium: Ion Balance 0.96
- **Fluoride:** 0.31  
  - Chromium: Amm. Nitrogen
- **Iron:** 0.61  
  - Cobalt: Total Phosphate
- **TOC:** 2.13  
  - Copper: Total Alkalinity 604.0
- **Silica:** 13.20  
  - Lead: Nitrate&Nitrite N

## Electrical Log:
- **Chromium:** 2.13  
  - Nitrate&Nitrite NS:  

## Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.

---

**Well Number 10696**

**Elevation (AMSL) (m):** 781  
**AEP:** 418252

**Easting:** 10,047.41  
**Northing:** 5,941,652.00

**Date Started:** 11 Feb 82  
**Date Completed:** 18 Sep 95

**License No.:** Easting: 10,047.41  
**Northing:** 5,941,652.00

**Well Owner:** Urban, Dennis

**Drilling Contractor:** Mcginn, Gerald Drilling Ltd.

**Water Well Positioned by PFRA in 10TM NAD 27**
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- ** Completed Depth:** 61.0 (m)
  - NPWL (m): 17.1
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 44.5
- **Bottom (m):** 44.5
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 44.5

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
  - **Top (m):** Bottom (m):
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Jacuzzi
- **Intake (m):** 21.9

**Testing:**
- **Rate (lpm):** 38.8
- **Time (minute):** 1200.0
- **Level End (m):** 21.9
- **Drawdown (m):** 4.9
- **Rec'd Rate (lpm):** 39.6
- **Rec'd intake (m):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation (BGL) (AMSL) Lithologic Description (m) (m) **
- 10.4 755.9 Clay Blue
- 10.7 755.6 Sand Yellow
- 15.2 751.0 Clay Blue
- 16.8 749.5 Clay Gravelly
- 29.6 736.7 Clay Blue
- 30.2 736.1 Coal Hard
- 42.1 724.2 Shale Gray
- 42.7 723.6 Shale Blue
- 61.0 705.3 Sandstone & Coal Gray

**Water Well Positioned by PFRA in 10TM NAD 27**
### Well Number: 10701

**Well Owner:** Christenson, Roy  
**Drilling Contractor:** Darragh Lee

**Elevation (AMSL) (m):** 775  
**AEP:** 447952  
**Licence No.:** 9,784.93  
**Date Started:** 18 May 78  
**Northing:** 5,943,213.00  
**Date Completed:** 28 May 78

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 79.2 (m)  
- **NPWL (m):** 15.2  
- **Verified NPWL (m):**  
- **Abandonment:**

### Casing:
- **Type:** Steel  
- **Depth (m):** 48.2  
- **Bottom (m):** 48.2  
- **OD (mm):** 115.8  
- **Thickness (mm):** 0.1  
- **Seal Type:** Driven  
- **from (m):** 47.6  
- **to:** 48.2

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):**
- **to:**
- **Size:**
- **from (m):**
- **to:**
- **Size:**

### Open Hole:
- **from (m):**
- **to:**

### Pump:
- **Model:**
- **Intake (m):** 42.7

### Testing:
- **Rate (lpm):** 9.1  
- **Time (minute):** 180.0  
- **Level End (m):** 42.7  
- **Drawdown (m):** 27.4  
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulfate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate&Nitrite N:**

### Electric Log:
- **No**

### Gamma Log:
- **No**

### Aquifer Test:
- **No**

### Project:
- **Database:** 1.000H

### AEP Data:
- **Yes**  
- **Well Field Verified:** No

---

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

#### Completed Depth

- **NPWL (m):** 43.6
- **Verified NPWL (m):** 109.7

#### Abandonment:

- **Type:** Galvanized Steel
  - **Depth (m):** 67.1
  - **Bottom (m):** 67.1
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **Top (m):** 740.3
  - **Bottom (m):** 109.7

#### Perforated How:

- **Type:** Torch
  - **Depth (m):** 67.1
  - **Bottom (m):** 109.7
  - **Size:**

#### Screen:

- **Material:**
  - **OD (mm):** 90.4
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**

#### Open Hole:

- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**

#### Pump:

- **Model:** Jacuzzi
  - **Intake (m):** 59.1

#### Testing:

- **Rate (lpm):** 27.4
  - **Time (minute):** 480.0
  - **Level End (m):** 59.1
  - **Drawdown (m):** 14.9
  - **Rec'd Rate (lpm):**
  - **Rec'd intake (m):**

### Laboratory:

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- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H

### Remarks:

- Water Well Positioned by PFRA in 10TM NAD 27
**NW 17-054-06 W5M**

Well Owner: **Thompson, Morley**
Drilling Contractor: **Unknown Driller**

**Well Number**: 10703

Elevation (AMSL) (m): **764**
Licence No.: **447956**
Date Started: **Easting: 9,240.78**
Date Completed: **Northing: 5,944,173.00**

### General:

- **Type of Work**: Chemistry
- **Drilling Method**: Bored
- **Well Use**: Domestic
- **Completed Depth**: 24.4 (m)
- **NPWL (m)**: 15.2
- **Verified NPWL (m)**: 15.2
- **Abandonment**: No

### Casing:

- **Type**: (No Lithologic Information Available)
- **Depth (m)**: Bottom (m): 
- **OD (mm)**: Thickness (mm): 
- **Seal Type**: from (m): to

### Liner:

- **Type**: (No Lithologic Information Available)
- **OD (mm)**: Thickness (mm): 
- **Top (m)**: Bottom (m): 
- **Perforated How**: from (m): to Size: 
- **from (m): to Size:**
- **from (m): to Size:**

### Screen:

- **Material**: (No Lithologic Information Available)
- **OD (mm)**: 
- **from (m): to Size:**
- **from (m): to Size:**
- **from (m): to Size:**

### Open Hole:

- **from (m): to**

### Pump:

- **Model**: 
- **Intake (m):**

### Testing:

- **Rate (lpm):** 
- **Time (minute):** 
- **Level End (m):** Drawdown (m): 
- **Rec'd intake (m):** 
- **Rec'd Rate (lpm):**

### Laboratory:

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<td>TOC</td>
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<td>Lead</td>
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Chemical Constituents are in mg/l (ppm). Except as noted.

### Electric Log:

- **Transmissivity**: m²/day
- **Gamma Log**: Storativity:
- **Aquifer Test**: No
- **Project**: Database: 1.000H
- **AEP Data**: Yes
- **Well Field Verified**: No

### Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

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Printed on 2/20/98
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 109.7 (m)
  - NPWL (m): 41.8
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 78.6
- **Bottom (m):** 78.6
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 78.6

**Liner:**
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):** to Size:
  - **from (m):** to Size:
  - **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:** Sub
- **Model:** Jacuzzi
- **Intake (m):** 47.9

**Testing:**
- **Rate (lpm):** 31.9
- **Time (minute):** 1200.0
- **Level End (m):** 47.9
- **Drawdown (m):** 6.1
- **Rec'd intake (m):** 63.4
- **Rec'd Rate (lpm):**

**Laboratory:**
- **09 Oct 80**
- **pH (pH unit):** 8.80
- **Cond. (µS/cm):** 993.0
- **TDS:** 559.0
- **Sodium:** 227.93
- **Potassium:**
- **Calcium:** 3.01
- **Magnesium:**
- **Carbonate:** 21.00
- **Bicarbonate:** 516.14
- **Aluminium:**
- **Sulphate:** 10.09
- **Chloride:** 42.89
- **Fluoride:** 1.92
- **Iron:** 0.14
- **TOC:**
- **Silica:** 7.70

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

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<th>Lithologic Description</th>
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<td>7.3</td>
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<td>109.7</td>
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**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No
### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 45.7 m
- **NPWL (m):** 18.3
- **Verifed NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
- **Depth (m):**
- **OD (mm):**
- **Thickness (mm):**
- **Seal Type:**
- **from (m):** to

### Liner:
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Intake (m):

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **17 Aug 73**
- **pH (pH unit):** 8.30
- **Cond. (µS/cm):** 2450
- **TDS:** 1722
- **Sodium:** 638.94
- **Potassium:** 1.96
- **Calcium:** 17.03
- **Magnesium:** 1.26
- **Carbonate:** 758.96
- **Bicarbonate:** 524.06
- **Aluminum:** 0.15
- **Barium:** 0.01
- **Sulphate:** 681.07
- **Chloride:** 31.33
- **Fluoride:** 1.05
- **Iron:** 1.50
- **TOC:** 1.50
- **Silica:** 75.00

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Database:** Project:
- **AEP Data:** Yes

### Remarks:
- Chemical Constituents are in mg/l (ppm). Except as noted.
- Water Well Positioned by PFRA in 10TM NAD 27
### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

#### Completed Depth

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#### Abandonment:

- **Type:** Puddled Clay
- **from (m):** to 4.3

#### Lithologic Description

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#### Pump:

- **Model:** Intake (m): 20.7

### Testing:

- **Rate (lpm):** 11.4
- **Time (minute):** 60.0
- **Level End (m):** 20.7
- **Drawdown (m):** 11.0
- **Rec'd intake (m):** 19.8
- **Rec'd Rate (lpm):** 9.1

### Laboratory:

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:

- **Transmissivity:** m³/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:** Database: 1.000H

### Remarks:

- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 10706

**Well Owner:** Kelly, Frank

**Drilling Contractor:** Summer'S Drilling Ltd.

**Elevation (AMSL) (m):** 61

**Licence No.:** 447976

**Date Started:** 15 Oct 82

**Easting:** 5,944,673.00

**Date Completed:** 20 Oct 82

**Northing:** 8,504.86
Water Well Positioned by Mow-Tech in 10TM NAD 27

Well Number: 10707

Well Owner: Northern Geo Ltd #177
Drilling Contractor: Unknown driller

Elevation (AMSL) (m): 769
AEP: 447966

Easting: 7,805.25
Northing: 5,943,031.09
Date Started: 30 Oct 84
Date Completed: 27 Nov 84

General:
Type of Work: Flowing Shot Hole
Drilling Method: Unknown
Well Use: Unknown
Completed Depth: 18.0 (m)
NPWL (m): Verified NPWL (m):
Abandonment: Bassani Plug 27 Nov 84

Casing:
Type: Depth (m): Bottom (m):
OD (mm): Thickness (mm):
Seal Type: from (m): to

Liner:
Type: OD (mm): Thickness (mm):
Top (m): Bottom (m):
Perforated How: from (m): to Size:
from (m): to Size:
from (m): to Size:

Screen:
Material: OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute):
Level End (m): Drawdown (m):
Rec’d intake (m): Rec’d Rate (lpm):

Laboratory:
pH (pH unit) COD Mercury
Cond. (µS/cm) SAR Nickel
TDS TKN Selenium
Sodium Nitrate Strontium
Potassium Nitrite Molybdenum
Calcium TN Vanadium
Magnesium TC Zinc
Carbonate DIC Hydroxide
Bicarbonate Arsenic Total Hardness
Aluminium Barium Manganese
Sulphate Beryllium Phosphate
Chloride Cadmium Ion Balance
Fluoride Chromium Amm. Nitrogen
Iron Cobalt Total Phosphate
TOC Copper Total Alkalinity
Silica Lead Nitrate & Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

(printed on 2/20/98)
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 48.8 (m)
- **NPWL (m):** 16.8
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Galvanized Steel
- **Depth (m):** 39.9
- **Bottom (m):** 39.9
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Seal Type:** from (m): to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:** from (m): to to Size:
- **Screen:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):** from (m): to to Size:
- **Open Hole:** from (m): to

**Pump:**
- **Stock Model:**
- **Intake (m):**
- **Rate (lpm):** 13.7
- **Time (minute):** 180.0
- **Level End (m):** 22.9
- **Rec'd intake (m):**

**Laboratory:**

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<tr>
<td>Nitrate &amp; Nitrite</td>
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**Water Well Positioned by PFRA in 10TM NAD 27**

**Remarks:**

**Database:**
- Project: Project: 1.000H
- AEP Data: Yes
- Well Field Verified: No
- Transmissivity: m³/day
- Storativity: 
- Aquifer Test: No
- Electric Log: No
- Gamma Log: No
- Lithologic Description:
  - (m) (m) 
  - 9.1 756.1 Clay
  - 15.2 750.0 Clay & Sand
  - 33.5 731.7 Sandstone
  - 48.8 716.5 Shale & Sandstone

**Remarks:** Chemical Constituents are in mg/l (ppm). Except as noted.
**08-18-054-06 W5M**

**Well Number: 10709**

**Well Owner:** Werner, John

**Drilling Contractor:** Mcwillis A

**Elevation (AMSL) (m):** 771

**AEP: 449102**

**Licence No.:** Easting: 9,031.44

**Date Started:** Northing: 5,943,426.00

**Date Completed:** 29 Mar 62

---

### General:

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

**Completed Depth:** 24.4 (m)

**NPWL (m):** 12.2

**Verified NPWL (m):**

**Abandonment:**

### Casing:

- **Type:** Steel
- **Depth (m):** 18.3
- **Bottom (m):** 18.3

**OD (mm):** 115.8

**Thickness (mm):**

**Seal Type:**

**from (m):**

**to**

### Liner:

- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**

**Perforated How:**

**from (m):**

**to**

**Size:**

**from (m):**

**to**

**Size:**

**from (m):**

**to**

**Size:**

### Screen:

- **Material:**
- **OD (mm):**
- **Thickness (mm):**
- **from (m):**
- **to**

**Size:**

**from (m):**

**to**

**Size:**

### Open Hole:

- **from (m):**
- **to**

### Pump:

- **Model:**
- **Intake (m):**

### Testing:

- **Rate (lpm):** 18.2
- **Time (minute):** 180.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

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<td>Nitrate &amp; Nitrite</td>
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<tr>
<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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### Electric Log:

- **Transmissivity:** m²/day

### Gamma Log:

- **Storativity:**

### Aquifer Test:

- **Project:**
- **Database:** 1.000H

### Remarks:

*Water Well Positioned by PFRA in 10TM NAD 27*

---

*Printed on 2/20/98*
**NE 18-054-06 W5M**

**Well Owner:** Kelly, F.

**Drilling Contractor:** Unknown Driller

**Well Number:** 10710

**Elevation (AMSL) (m):** 764

**Licence No.:** 764

**Date Started:**

**Easting:** 9,065.15

**Date Completed:**

**Northing:** 5,944,336.00

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**Completed Depth:** 102.1 (m)

**NPWL (m):** 42.7

**Verified NPWL (m):**

**Abandonment:**

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Depth Elevation (BGL) (AMSL) (m) (m)**

**Lithologic Description**

(No Lithologic Information Available)

**Electric Log: No**

**Transmissivity:** m²/day

**Gamma Log: No**

**Storativity:**

**Aquifer Test: No**

**Project:**

**AEP Data: Yes**

**Well Field Verified: No**

**Database:** 1.000H

printed on 2/20/98
**Well Number 10711**

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**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic

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**Abandonment:**
- **Type:** Steel
- **Depth (m):** 86.0
- **Bottom (m):** 86.0
- **OD (mm):** 115.8
- **Thickness (mm):**

**Seal Type:**
- from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- from (m): to
- from (m): to
- from (m): to

**Screen:**
- **Material:**
- **OD (mm):**
- from (m): to
- from (m): to
- from (m): to

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 18.2
- **Time (minute):** 600.0
- **Level End (m):** 73.2
- **Drawdown (m):** 24.4
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:** Mercury
- **Cond. (µS/cm):**
- **SAR:** Nickel
- **TDS:**
- **TKN:** Selenium
- **Sodium:**
- **Nitrate:** Strontium
- **Potassium:**
- **Nitrile:** Molybdenum
- **Calcium:**
- **TN:** Vanadium
- **Magnesium:**
- **TC:** Zinc
- **Carbonate:**
- **DIC:** Hydroxide
- **Bicarbonate:**
- **Arsenic:** Total Hardness
- **Aluminum:**
- **Barium:** Manganese
- **Sulphate:**
- **Beryllium:** Phosphate
- **Chloride:**
- **Cadium:** Ion Balance
- **Fluoride:**
- **Chromium:** Amm. Nitrogen
- **Iron:**
- **Cobalt:** Total Phosphate
- **TOC:**
- **Copper:** Total Alkalinity
- **Silica:**
- **Lead:** Nitrate & Nitrite N

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<tr>
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</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by PFRA in 10TM NAD 27
Well Number: 10712  
Elevation (AMSL) (m): 756  
AEP: 447988  
Licence No.:  
Easting: 9,053.89  
Date Started: 20 Sep 79  
Northing: 5,944,932.00  
Date Completed: 24 Sep 79

**General:**
- **Well Owner:** Boehm, E.
- **Drilling Contractor:** Rocky Mountain Drilling Co.

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<tr>
<th>General</th>
<th>Depth Elevation</th>
<th>Lithologic Description</th>
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<tr>
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<td><strong>Elevation (BGL) (AMSL) (m) (m)</strong></td>
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<tr>
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<tr>
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<tr>
<td><strong>Type:</strong> Galvanized Steel</td>
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<td><strong>Depth (m):</strong> 56.7</td>
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<td>from (m): 56.1 to 56.7</td>
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</table>

**Casing:**
- **Type:** Galvanized Steel
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Bottom (m):** 56.7
- **Seal Type:** Driven
- **from (m):** 56.1 to 56.7

**Liner:**
- **Type:** Galvanized Steel
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **Top (m):** 56.7
- **Bottom (m):** 56.7

**Screen:**
- **Material:** Galvanized Steel
- **OD (mm):** 114.3
- **Thickness (mm):** 0.0
- **from (m):** 56.1 to 56.7

**Open Hole:**
- **from (m):** 56.7

**Pump:** Sub
- **Model:** Sub
- **Intake (m):** 36.9

**Testing:**
- **Rate (lpm):** 22.8
- **Time (minute):** 180.0
- **Level End (m):** 36.9
- **Drawdown (m):** 15.5
- **Rec'd intake (m):** 51.2
- **Rec'd Rate (lpm):** 22.8

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Nitrates:**
- **Strontium:**
- **Selenium:**
- **Nitrite:**
- **Molybdenum:**
- **Citrate:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Remarks:**
Water Well Positioned by PFRA in 10TM NAD 27

Chemical Constituents are in mg/l (ppm). Except as noted.
**Well Number: 10713**

**Well Owner:** Central Dev Expl #416

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 734

**AEP:** 447994

**Date Started:** 11 Mar 78

**Date Completed:** 14 Mar 78

**Licence No.:** Easting: 8,625.92

**Northing:** 5,945,871.35

---

**General:**

- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 18.3 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:** Bassani Plug 14 Mar 78

**Casing:**

- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:** from (m): to

**Liner:**

- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:** from (m): to Size:

**Screen:**

- **Material:**
- **OD (mm):** from (m): to Size:
- **from (m):** to Size:

**Open Hole:**

- **from (m):** to

**Pump:**

- **Model:** Intake (m):

**Testing:**

- **Rate (lpm):** Time (minute):
- **Level End (m):** Drawdown (m):
- **Rec'd intake (m):** Rec'd Rate (lpm):

**Laboratory:**

- **pH (pH unit):** COD Mercury
- **Cond. (µS/cm):** SAR Nickel
- **TDS:** TKN Selenium
- **Sodium:** Nitrate Strontium
- **Potassium:** Nitrite Molybdenum
- **Calcium:** TN Vanadium
- **Magnesium:** TC Zinc
- **Carbonate:** DIC Hydroxide
- **Bicarbonate:** Arsenic Total Hardness
- **Aluminum:** Barium Manganese
- **Sulphate:** Beryllium Phosphate
- **Chloride:** Cadmium Ion Balance
- **Fluoride:** Chromium Amm. Nitrogen
- **Iron:** Cobalt Total Phosphate
- **TOC:** Copper Total Alkalinity
- **Silica:** Lead Nitrate&Nitrite N

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
Well Number: 10714

Well Owner: Sperling, Gerald
Drilling Contractor: Sunshine Drilling Ltd.

Elevation (AMSL) (m): 745
AEP: 448106
Licence No.: Easting: 10,231.12
Date Started: 27 Sep 84
Northing: 5,946,197.00
Date Completed: 01 Oct 84

General:
Type of Work: New Well
Drilling Method: Rotary
Well Use: Domestic & Stock
Completed Depth 97.5 (m)
NPWL (m): 45.7
Verified NPWL (m):
Abandonment:

Casing:
Type: Steel
Depth (m): 38.4 Bottom (m): 38.4
OD (mm): 141.2 Thickness (mm): 0.1
Seal Type: Driven
from (m): to 38.4

Liner:
Type:
OD (mm): 114.3 Thickness (mm):
Top (m): 36.6 Bottom (m): 67.1
Perforated How: Machine
from (m): 38.4 to 67.1 Size:
from (m): to Size:
from (m): to Size:

Screen:
Material:
OD (mm):
from (m): to Size:
from (m): to Size:

Open Hole:
from (m): to

Pump: Sub
Model: Intake (m): 61.0
Testing:
Rate (lpm): 22.8 Time (minute): 120.0
Level End (m): 61.0 Drawdown (m): 15.2
Rec'd intake (m): 63.4 Rec'd Rate (lpm): 22.8

Laboratory:

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<td>Chemical Constituents are in mg/l (ppm). Except as noted.</td>
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Electric Log: No Transmissivity: m²/day
Gamma Log: No Storativity:
Aquifer Test: No
Project: Database: 1.000H
AEP Data: Yes Well Field Verified: No

Water Well Positioned by PFRA in 10TM NAD 27
### General

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic
- **Completed Depth:** 76.2 (m)
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
- **Depth (m):** 67.1
- **OD (mm):** 115.8
- **Thickness (mm):**

### Liner:
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
- **Thickness (mm):**

### Screen:
- **Material:**
- **OD (mm):**
- **Top (m):**
- **Bottom (m):**

### Open Hole:
- **from (m):**
- **to (m):**

### Pump:
- **Model:** Cylinder
- **Intake (m):**

### Testing:
- **Rate (lpm):** 18.2
- **Time (minute):**
- **Level End (m):**
- **Rec'd intake (m):**

### Laboratory:

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</tr>
<tr>
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<tr>
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<tr>
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<tr>
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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Water Well Positioned by PFRA in 10TM NAD 27
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 54.9 (m)
- **NPWL (m):** Verified NPWL (m):
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
- **from (m):** to Size:
- **from (m):** to Size:
- **from (m):** to Size:

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **19 Mar 82**
- **pH (pH unit):** 8.70
- **Conc. (µS/cm):** 1489
- **TDS:** 894.0
- **Sodium:** 388.01
- **Nitrate:** 0.39
- **Potassium:** 20.10
- **Calcium:** 843.77
- **Magnesium:** 63.10
- **Carbonate:** 1.91
- **Fluoride:** 0.10
- **TOC:** 8.00
- **COD:**
- **SAR:**
- **TKN:**
- **Selenium:**
- **Nitrate:**
- **Strontium:**
- **Sodium:**
- **Nitrite:**
- **Molybdenum:**
- **Potassium:**
- **Vanadium:**
- **Bicarbonate:**
- **Dissolved Carbon:**
- **Hydroxide:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Chromium:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Total Alkalinity:**
- **Aluminum:**
- **Chromium:**
- **Nickel:**
- **Selenium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Sulphate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Iron:**
- **Arsenic:**
- **Total Hardness:**
- **Manganese:**
- **Total Alkalinity:**

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Water Well Positioned by PFRA in 10TM NAD 27**
**Water Well Positioned by PFRA in 10TM NAD 27**

- **Well Number:** 10717
- **Elevation (AMSL) (m):** 744
- **AEP:** 448107
- **Licence No.:** Easting: 10,219.79
- **Date Started:** 08 Mar 89
- **Northing:** 5,946,165.00
- **Date Completed:** 08 Mar 89

---

### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Stock
- **Completed Depth:** 87.8 (m)
- **NPWL (m):** 35.0
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 44.8
- **Bottom (m):** 44.8
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
  - **from (m):** to 44.8

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 42.1
- **Bottom (m):** 87.8
- **Perforated How:** Machine
  - **from (m):** to 45.4
  - **Size:**
  - **from (m):** to 87.8
  - **Size:**
  - **from (m):** to Size:

### Screen:
- **Material:**
- **OD (mm):**
  - **from (m):** to Size:
  - **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** Goulds
- **Intake (m):** 70.1

### Testing:
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 70.1
- **Drawdown (m):** 35.0
- **Rec'd intake (m):** 79.2
- **Rec'd Rate (lpm):**

---

### Laboratory:
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Aluminium:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log: No**
- **Storativity:**
- **Aquifer Test:** No
- **Project:** Database: 1,000H
- **AEP Data:** Yes

### Remarks:
- Well Field Verified: No

---

**Note:** Printed on 2/20/98
**General:**
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 91.4 (m)
- **NPWL (m):**
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:**
- **Depth (m):** Bottom (m):
- **OD (mm):** Thickness (mm):
- **Seal Type:**
  - from (m): to

**Liner:**
- **Type:**
- **OD (mm):** Thickness (mm):
- **Top (m):** Bottom (m):
- **Perforated How:**
  - from (m): to Size:
  - from (m): to Size:
  - from (m): to Size:

**Screen:**
- **Material:**
- **OD (mm):**
  - from (m): to Size:
  - from (m): to Size:

**Open Hole:**
- **from (m):** to

**Pump:**
- **Model:** Intake (m):

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **22 Feb 72**
- **pH (pH unit):** 8.20
- **Cond. (µS/cm):** 1070
- **TDS:** 780.0
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** 2.00
- **Magnesium:** 4.99
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** 11.05
- **Chloride:** 74.09
- **Fluoride:** Chromium
- **Iron:** 0.30
- **TOC:** Copper
- **Silica:** Lead

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Electric Log:** No
**Transmissivity:** m²/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1.000H
**AEP Data:** Yes
**Well Field Verified:** No

**Remarks:**
- Water Well Positioned by PFRA in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 86.9 m
- **NPWL (m):** 32.0
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Galvanized Steel
  - **Depth (m):** 67.1
  - **Bottom (m):** 67.1
  - **OD (mm):** 114.3
  - **Thickness (mm):** 0.1
  - **Seal Type:** Driven
  - **from (m):** 66.1 to 67.1

### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
- **Screen:**
  - **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
- **Open Hole:**
  - **from (m):**
  - **to:**

### Pump:
- **Model:** Sub
  - **Intake (m):** 61.0

### Testing:
- **Rate (lpm):**
  - **Time (minute):** 2880.0
- **Level End (m):**
- **Drawdown (m):**
- **Rec’d intake (m):** 61.6
- **Rec’d Rate (lpm):**

### Laboratory:
- **pH (pH unit):** 8.40
- **COD:**
- **SAR:**
- **TKN:**
- **Total Nitrogen (TEN):**
- **Total Phosphorus (TEP):**
- **Total Hardness:**
- **General:**
- **Water Well Positioned by PFRA in 10TM NAD 27**

### Depth Elevation
<table>
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<tr>
<th>Lithologic Description</th>
<th>(m)</th>
<th>(m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay &amp; Boulders Brown</td>
<td>5.2</td>
<td>744.8</td>
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<tr>
<td>Clay &amp; Rocks Blue</td>
<td>24.4</td>
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<td>Clay &amp; Gravel Blue</td>
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<td>722.6</td>
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<tr>
<td>Clay Blue</td>
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<td>719.5</td>
</tr>
<tr>
<td>Sand &amp; Gravel</td>
<td>31.1</td>
<td>718.9</td>
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<tr>
<td>Shale Brownish Gray</td>
<td>52.4</td>
<td>697.6</td>
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<tr>
<td>Shale Sandy Gray</td>
<td>55.5</td>
<td>694.5</td>
</tr>
<tr>
<td>Shale &amp; Coal Sandy Gray</td>
<td>75.6</td>
<td>674.4</td>
</tr>
<tr>
<td>Shale Gray</td>
<td>77.7</td>
<td>672.3</td>
</tr>
<tr>
<td>Shale Sandy Brownish Gray</td>
<td>86.9</td>
<td>663.1</td>
</tr>
</tbody>
</table>

### Electric Log:
- **Transmissivity:** m²/day
- **Gamma Log:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

**Remarks:**
Chemical Constituents are in mg/l (ppm). Except as noted.

---

Well Number: 10719
- **Well Owner:** Campbell, G.
- **Drilling Contractor:** McGinnis Robert
- **Elevation (AMSL) (m):** 750
- **AP: 447996**
- **Licence No.:**
- **Easting:** 9,470.77
- **Northing:** 5,945,146.00
- **Date Started:** 01 Feb 76
- **Date Completed:**

---

**Printed on 2/20/98**
**General:**

- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 87.8 (m)
- **NPWL (m):** 22.9
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**

- **Type:** Steel
- **Depth (m):** 42.4
- **Bottom (m):** 42.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven
- **from (m):** to 42.4

**Liner:**

- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):**
- **Top (m):** 39.0
- **Bottom (m):** 87.8
- **Perforated How:** Machine
- **from (m):** to 51.2
- **to 57.3**
- **Size:**
- **from (m):** to 69.5
- **to 87.8**
- **Size:**
- **from (m):**
- **to**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):** to
- **Size:**
- **from (m):** to
- **Size:**

**Open Hole:**

- **from (m):**
- **to**

**Pump:**

- **Model:**
- **Intake (m):** 61.0
- **Rate (lpm):** 22.8
- **Time (minute):** 120.0
- **Level End (m):** 61.0
- **Drawdown (m):** 38.1
- **Rec’d intake (m):** 75.6
- **Rec’d Rate (lpm):**

**Laboratory:**

- **pH (pH unit):**
- **COD:**
- **SAR:**
- **Nickel:**
- **TDS:**
- **TKN:**
- **Selenium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrates:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite N:**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Depth Elevation (BGL) (AMSL) (m) (m)**

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<th>(m)</th>
<th>(m)</th>
<th>Lithologic Description</th>
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<td>22.6</td>
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<td>725.0</td>
<td>Clay</td>
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<td>721.4</td>
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<td>33.2</td>
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<td>87.8</td>
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**Electric Log:** No  
**Transmissivity:** m³/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.00H  
**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 48.8 m
- **NPWL (m):** 36.0
- **Abandonment:**
  - **Type:** Galvanized Steel
  - **Depth (m):** 32.0
  - **Bottom (m):** 32.0
  - **OD (mm):** 114.3
  - **Thickness (mm):**
    - **Seal Type:** Driven
      - from (m): 31.1 to 32.0
- **Liner:**
  - **Type:**
    - **OD (mm):** Thickness (mm):
  - **Perforated How:**
    - from (m): to
    - from (m): to
    - from (m): to
- **Screen:**
  - **Material:**
    - **OD (mm):**
    - from (m): to
    - from (m): to
  - **Open Hole:**
    - from (m): to
- **Pump:** Working Head
  - **Model:** Mc Dougall
  - **Intake (m):**
  - **Testing:**
    - **Rate (lpm):** 2880.0
    - **Time (minute):**
      - **Level End (m):** 41.2
      - **Drawdown (m):** 5.2
    - **Rec’d intake (m):** 45.7
    - **Rec’d Rate (lpm):**

**Laboratory:**
- **pH (pH unit):** COD
- **Cond. (µS/cm):** SAR
- **TDS:** TKN
- **Sodium:** Nitrate
- **Potassium:** Nitrite
- **Calcium:** TN
- **Magnesium:** TC
- **Carbonate:** DIC
- **Bicarbonate:** Arsenic
- **Aluminum:** Barium
- **Sulphate:** Beryllium
- **Chloride:** Cadmium
- **Fluoride:** Chromium
- **Iron:** Cobalt
- **TOC:** Copper
- **Silica:** Lead
- **Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

*Water Well Positioned by PFRA in 10TM NAD 27*
**Well Number:** 10722

**Well Owner:** #3556

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 750

**AEP:** 448111

**Date Started:**

**Date Completed:**

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<td>AEP: 448111</td>
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<td>Date Completed:</td>
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<td>9,408.35</td>
<td>Northing: 5,947,088.38</td>
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<th>Depth Elevation</th>
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<td>Lithologic Description</td>
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<td>Drilling Method: Unknown</td>
<td>(m)</td>
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<tr>
<td>Well Use: Industrial</td>
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<td>Completed Depth: 24.4 (m)</td>
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<td>NPWL (m):</td>
<td>Verified NPWL (m):</td>
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<tr>
<td>Casing:</td>
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<td>Type:</td>
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<tr>
<td>Depth (m): Bottom (m):</td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Seal Type: from (m): to</td>
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</tr>
<tr>
<td>Liner:</td>
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<tr>
<td>Type:</td>
<td></td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
<td></td>
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<tr>
<td>Top (m): Bottom (m):</td>
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<td>Perforated How: from (m): to Size:</td>
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<tr>
<td>Open Hole:</td>
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<td>from (m): to</td>
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<tr>
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Laboratory: Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by Mow-Tech in 10TM NAD 27
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<th>General:</th>
<th>Well Number: 10723</th>
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<td></td>
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| Casting: | Depth Elevation |
| --- | (BGL) (AMSL) |
| Type: | (m) (m) | Lithologic Description |
| Depth (m): | | |
| OD (mm): | | |
| Thickness (mm): | | |
| Seal Type: | | |
| from (m): | | |
| to | | |
| Liner: | | |
| Type: | | |
| OD (mm): | | |
| Thickness (mm): | | |
| Top (m): | | |
| Bottom (m): | | |
| Perforated How: | | |
| from (m): | | |
| to | Size: |
| from (m): | | |
| to | Size: |
| from (m): | | |
| to | Size: |
| Screen: | | |
| Material: | | |
| OD (mm): | | |
| from (m): | to | Size: |
| from (m): | to | Size: |
| to | Size: |
| Open Hole: | | |
| from (m): | to | |
| Pump: | | |
| Model: | Intake (m): |
| Testing: | Rate (lpm): | Time (minute): |
| Level End (m): | Drawdown (m): |
| Rec’d intake (m): | Recharged Rate (lpm): |

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<td>Copper Total Alkalinity</td>
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<td>Sodium</td>
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<tr>
<td>Sodium</td>
<td>Nitrate &amp; Nitrite N</td>
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<td>Chemical Constituents are in mg/l (ppm) Except as noted.</td>
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<th>Economic Log:</th>
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Water Well Positioned by Mow-Tech in 10TM NAD 27
Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** New Well
- **Drilling Method:** Cable Tool
- **Well Use:** Domestic
- **Completed Depth:** 25.0 (m)
- **NPWL (m):** 6.7
- **Verified NPWL (m):**
- **Abandonment:**

**Casing:**
- **Type:** Steel
- **Depth (m):** 22.6
- **Bottom (m):** 22.6
- **OD (mm):** 141.2
- **Thickness (mm):**
- **Seal Type:** Driven
- **from (m):** to

**Liner:**
- **Type:**
- **OD (mm):**
- **Thickness (mm):**
- **Top (m):**
- **Bottom (m):**
- **Perforated How:**
  - from (m): to
  - from (m): to
  - from (m): to

**Screen:**
- **Material:**
- **OD (mm):**
- **from (m):** to
- **from (m):** to
- **from (m):** to

**Open Hole:**
- from (m): to

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):** 45.6
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Sulfate:**
- **Beryllium:**
- **Chloride:**
- **Cadmium:**
- **Fluoride:**
- **Chromium:**
- **Iron:**
- **TOC:**
- **TOC:**
- **Silica:**
- **Lead:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

N.W. 29-054-06 W5M

Well Number: 10725

**Elevation (AMSL) (m):** 751

**AEP:** 449103

**Date Started:**

**Easting:** 9,667.94

**Date Completed:** 01 Nov 72

**Northing:** 5,947,223.50

**Licence No.:**

**Project:**

Database: 1.000H

AEP Data: Yes

Well Field Verified: No

**Depth Elevation**

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**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Rec'd Rate (lpm):**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Rec'd Rate (lpm):**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Rec'd Rate (lpm):**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Rec'd Rate (lpm):**

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**Transmissivity:** m²/day

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**Storativity:**

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**Rec'd Rate (lpm):**

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**Transmissivity:** m²/day

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**Storativity:**

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**Rec'd Rate (lpm):**

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**Transmissivity:** m²/day

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**Storativity:**

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**Rec'd Rate (lpm):**

**Electric Log:** No

**Transmissivity:** m²/day

**Gamma Log:** No

**Storativity:**

**Aquifer Test:** No

**Rec'd Rate (lpm):**
**NW 29-054-06 W5M**

**Well Number:** 10726

**Well Owner:** Tegge, Gary

**Drilling Contractor:** Big Iron Drilling Ltd.

**Elevation (AMSL) (m):** 751

**Licence No.:** 448110

**Date Started:** 18 Dec 78

**Easting:** 9,667.94

**Northing:** 5,947,223.50

**Date Completed:** 21 Dec 78

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### General

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<td>Well Use</td>
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### Casing

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<td></td>
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<tr>
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### Screen

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<td>from (m):</td>
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### Pump

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### Laboratory

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**Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log

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**Water Well Positioned by PFRA in 10TM NAD 27**

*printed on 2/20/98*
**Water Well Positioned by Mow-Tech in 10TM NAD 27**

**General:**
- Type of Work: **Spring**
- Well Use: **Unknown**
- Completed Depth: **Unknown**
- NPWL (m): **9,626.66**
- Elevation (AMSL) (m): **739**
- Licence No.: **448109**
- Licence Date: **13 Aug 75**
- Well Owner: **Mcmurchy, K.A.**
- Drilling Contractor: **Unknown Driller**
- Date Started: **13 Aug 75**
- Date Completed: **Not Applicable**

**Casing:**
- Type: **Unknown**
- Depth (m): **Spring**
- Bottom (m): **5,946,466.66**
- Thickness (mm): **Unknown**
- Seal Type: **Unknown**
- OD (mm): **Unknown**
- from (m): **Unknown**
- to

**Liner:**
- Type: **Unknown**
- OD (mm): **Unknown**
- Thickness (mm): **Unknown**
- Top (m): **Unknown**
- Bottom (m): **Unknown**
- Perforated How:
  - from (m): **Unknown**
  - to
  - Size: **Unknown**
  - from (m): **Unknown**
  - to
  - Size: **Unknown**
  - from (m): **Unknown**
  - to
  - Size: **Unknown**

**Screen:**
- Material: **Unknown**
- OD (mm):
  - from (m): **Unknown**
  - to
  - Size: **Unknown**
  - from (m): **Unknown**
  - to
  - Size: **Unknown**
  - from (m): **Unknown**
  - to
  - Size: **Unknown**

**Open Hole:**
- from (m): **Unknown**
- to

**Pump:**
- Model: **Unknown**
- Intake (m): **Unknown**
- Rate (lpm): **Unknown**
- Time (minute): **Unknown**
- Level End (m): **Unknown**
- Drawdown (m): **Unknown**
- Rec’d intake (m): **Unknown**
- Rec’d Rate (lpm): **Unknown**

**Laboratory:**
- 13 Aug 75
- pH (pH unit): **8.20**
- COD: **901.73**
- Mercury
- Cond. (µS/cm): **1900**
- SAR: **1.95**
- Nickel
- TDS: **1081**
- TKN: **12.02**
- Selenium
- Sodium: **416.07**
- Nitrate: **12.02**
- Strontium
- Potassium: **1.56**
- Nitrite: **1.56**
- Molybdenum
- Calcium: **195.96**
- Beryllium: **2.84**
- Phosphate
- Magnesium: **2.84**
- Cadmium: **2.84**
- Ion Balance: **2.84**
- Vanadium
- Barium: **195.96**
- Beryllium: **195.96**
- Amm. Nitrogen
- Sulphate: **1.95**
- Cadmium: **1.95**
- Total Hardness: **195.96**
- Chloride: **0.48**
- Chromium: **0.48**
- Total Phosphate
- Iron: **901.73**
- Cobalt: **901.73**
- Total Alkalinity: **901.73**
- TOC: **901.73**
- Copper: **901.73**
- Total Salt: **901.73**
- Silica: **901.73**
- Lead: **901.73**
- Nitrate&Nitrite N
- DIC: **901.73**
- Hydroxide
- Cond. (µS/cm): **901.73**
- pH: **901.73**
- Bicarbonate
- TDS: **901.73**
- Sodium: **901.73**
- Calcium: **901.73**
- Magnesium: **901.73**
- Chloride: **901.73**
- Sulphate: **901.73**
- Iron: **901.73**
- TOC: **901.73**
- Silica: **901.73**
- Battery: **901.73**
- Wellhead: **901.73**
- Wellhead: **901.73**
- Battery: **901.73**

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Electric Log: **No**
- Transmissivity: **m²/day**
- Gamma Log: **No**
- Storativity:
- Aquifer Test: **No**
- Project: **1.000H**
- AEP Data: **Yes**
- Well Field Verified: **No**

**Depth Elevation (BGL) (AMSL) (m) Lithologic Description**

**Remarks:**

**printem on2/20/98**
Well Number: **10728**

**Well Owner:** Craddock, R.

**Drilling Contractor:** Unknown Driller

**Elevation (AMSL) (m):** 732

**AEP:** 448114

**Date Started:**

**Date Completed:**

**Licence No.:**

**Easting:** 8,983.57

**Northing:** 5,947,382.50

---

### General:
- **Type of Work:** Chemistry
- **Drilling Method:** Unknown
- **Well Use:** Domestic
- **Completed Depth:** 21.3 (m)  
  **NPWL (m):** .9  
  **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:**
  - **Depth (m):**
  - **Bottom (m):**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Seal Type:**
    - **from (m):**
    - **to:**
- **Elevation Depth (BGL) (AMSL) (m) (m) Lithologic Description**
  - **(No Lithologic Information Available)**

### Liner:
- **Type:**
  - **OD (mm):**
  - **Thickness (mm):**
  - **Top (m):**
  - **Bottom (m):**
- **Perforated How:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Screen:
- **Material:**
  - **OD (mm):**
  - **from (m):**
  - **to:**
  - **Size:**
  - **from (m):**
  - **to:**
  - **Size:**

### Open Hole:
- **from (m):**

### Pump:
- **Model:**
- **Intake (m):**

### Testing:
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Drawdown (m):**
- **Rec'd intake (m):**
- **Rec'd Rate (lpm):**

### Laboratory:
- **16 Jun 75**
  - **pH (pH unit):** 8.40
  - **COD:**
  - **SAR:**
  - **Nickel:**
  - **1790**
  - **1197**
  - **TKN:**
  - **Selenium:**
  - **Sodium:** 500.0  
    **Nitrate:**
    **Strontium:**
  - **Potassium:** 1.56
    **Nitrite:**
    **Molybdenum:**
  - **Calcium:** 9.02
    **Vanadium:**
  - **Magnesium:** 0.97
    **TC:**
    **Zinc:**
  - **Carbonate:** 24.00
    **DIC:**
    **Hydroxide:**
  - **Bicarbonate:** 926.74
    **Arsenic:**
    **Total Hardness:** 29.00
  - **Aluminium:**
    **Barium:**
    **Manganese:**
  - ** Sulphate:** 199.80
    **Beryllium:**
    **Phosphate:**
  - **Chloride:**
    **Cadmium:**
    **Ion Balance:** 1.10
  - **Fluoride:** 0.67
    **Chromium:**
    **Amm. Nitrogen:**
  - **Iron:** 0.40
    **Cobalt:**
    **Total Phosphate:**
  - **TOC:**
    **Copper:**
    **Total Alkalinity:** 800.0
  - **Silica:**
    **Lead:**
    **Nitrate&Nitrite N:**
  - **Chemical Constituents are in mg/l (ppm). Except as noted.**

### Electric Log:
- **No**
- **Transmissivity:**
- **Gamma Log:**
- **Storativity:**
- **Aquifer Test:**
- **Project:**
- **Database:** 1.000H
- **AEP Data:** Yes
- **Well Field Verified:** No

### Remarks:
- Water Well Positioned by PFRA in 10TM NAD 27
**NE 30-054-06 W5M**

**Well Number:** 10729

**Well Owner:** Craddock, R.S.

Drilling Contractor: Unknown Driller

**Elevation (AMSL) (m):** 732

**Casing:**
- **Type:**
- **Completed Depth:** 137.2 (m)
- **NPWL (m):** 12.2
- **Verified NPWL (m):**
- **Abandonment:**

**Depth Elevation (BGL) (AMSL) (m) (m) Lithologic Description**

**Liner:**
- **Type:**
- **OD (mm):**
- **Top (m):** Bottom (m):
- **Perforated How:**
- **Size:**

**Screen:**
- **Material:**
- **OD (mm):**
- **Thickness (mm):**

**Open Hole:**
- **from (m):**
- **to**

**Pump:**
- **Model:**
- **Intake (m):**

**Testing:**
- **Rate (lpm):**
- **Time (minute):**
- **Level End (m):**
- **Rec’d intake (m):**
- **Rec’d Rate (lpm):**

**Laboratory:**
- **21 Feb 84**

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<th>pH (pH unit)</th>
<th>8.18</th>
<th>COD</th>
<th>Mercury</th>
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<tr>
<td>Cond. (μS/cm)</td>
<td>1150</td>
<td>SAR</td>
<td>Nickel</td>
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<tr>
<td>TDS</td>
<td>736.0</td>
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<td>Sodium</td>
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<td>Molybdenum</td>
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<td>Iron</td>
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<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**AEP Data:** Yes  Well Field Verified: No

**Database:** 1.000H

**Project:**

**Aquifer Test:** No

**Gamma Log:**

**Transmissivity:** m²/day

**Electric Log:** No

**Gamma Log:**

**Storativity:**

**Electric Log:** No
**Well Number:** 10730

**Well Owner:** Anderson, F.

**Drilling Contractor:** Rocky Mountain Drilling Co.

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<tr>
<th>General:</th>
<th>Depth Elevation</th>
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<tbody>
<tr>
<td>Type of Work: New Well</td>
<td>Lithologic Description</td>
</tr>
<tr>
<td>Drilling Method: Rotary</td>
<td>(m)</td>
</tr>
<tr>
<td>Well Use: Domestic</td>
<td>Clay</td>
</tr>
<tr>
<td>Completed Depth 67.1 (m)</td>
<td>Sand &amp; Rocks</td>
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<tr>
<td>NPWL (m): 33.5</td>
<td>Clay Yellow</td>
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<tr>
<td>Abandonment:</td>
<td>Clay Blue</td>
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<tr>
<td></td>
<td>701.9</td>
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<tr>
<td></td>
<td>Shale Brown</td>
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<td>686.6</td>
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<tr>
<td></td>
<td>Shale &amp; Coal Brown</td>
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<td>Sand &amp; Rocks</td>
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<td>Shale Gray</td>
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<td>Shale &amp; Coal Brown</td>
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<td>662.3</td>
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<td>Shale Gray</td>
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**Casing:**

- **Type:** Steel
- **Depth (m):** 43.3
- **Bottom (m):** 43.3
- **OD (mm):** 115.8
- **Thickness (mm):** 0.0
- **Seal Type:** Driven
- **from (m):** 42.7
- **to 43.3**

**Liner:**

- **Type:**
- **OD (mm):**
- **Top (m):**
- **Perforated How:**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**

**Screen:**

- **Material:**
- **OD (mm):**
- **from (m):**
- **to**
- **Size:**
- **from (m):**
- **to**
- **Size:**

**Open Hole:**

- **from (m):**
- **to**

**Pump:** Sub

- **Model:**
- **Intake (m):** 35.0

**Testing:**

- **Rate (lpm):** 22.8
- **Time (minute):** 240.0
- **Level End (m):** 35.0
- **Drawdown (m):** 1.5
- **Rec’d intake (m):** 39.6
- **Rec’d Rate (lpm):** 36.5

**Laboratory:**

- **pH (pH unit):** 8.50
- **Cond. (µS/cm):** 1992
- **TDS:** 1221
- **Sodium:** 491.05
- **Nitrate:**
- **Strontium:**
- **Potassium:** 1.17
- **Nitrite:**
- **Molybdenum:**
- **Calcium:** 7.01
- **TN:**
- **Vanadium:**
- **Magnesium:** 1.95
- **TC:**
- **Zinc:**
- **Carbonate:** 21.00
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:** 1299.51
- **Arsenic:**
- **Total Hardness:** 25.00
- **Aluminium:**
- **Barium:**
- **Manganese:**
- **Sulphate:** 56.20
- **Beryllium:**
- **Phosphate:**
- **Chloride:** 2.13
- **Cadmium:**
- **Ion Balance:** 0.94
- **Fluoride:** 0.83
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:** 2.46
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:** 1102
- **Silica:** 9.60
- **Lead:**
- **Nitrate&Nitrite N:**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Well Field Verified:** Yes

**Database:** 1.000H

**Project:**

- **Electric Log:** No
- **Transmissivity:** m³/day
- **Gamma Log:** No
- **Storativity:**
- **Aquifer Test:** No
- **TOC:**
- **Chemical Constituents are in mg/l (ppm). Except as noted.
### General:
- **Type of Work:** Flowing Shot Hole
- **Drilling Method:** Unknown
- **Well Use:** Industrial
- **Completed Depth:** 18.3 (m)  
  - NPWL (m):  
  - Verified NPWL (m):
- **Abandonment:** Bassani Plug  
  - 12 Feb 78

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **from (m):** to Size:  
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:**  
- **Intake (m):**

### Testing:
- **Rate (lpm):** 9.1  
- **Time (minute):**
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):

### Laboratory:
- **pH (pH unit):** COD Mercury  
- **Cond. (µS/cm):** SAR Nickel  
- **TDS:** TKN Selenium  
- **Sodium:** Nitrate Strontium  
- **Potassium:** Nitrite Molybdenum  
- **Calcium:** TN Vanadium  
- **Magnesium:** TC Zinc  
- **Carbonate:** DIC Hydroxide  
- **Bicarbonate:** Arsenic Total Hardness  
- **Aluminium:** Barium Manganese  
- **Sulphate:** Beryllium Phosphate  
- **Chloride:** Cadmium Ion Balance  
- **Fluoride:** Chromium Amm. Nitrogen  
- **Iron:** Cobalt Total Phosphorus  
- **TOC:** Copper Total Alkalinity  
- **Silica:** Lead Nitrate&Nitrite N

### Electric Log:
- **Transmissivity:** m³/day
- **Gamma Log:** Storativity:
- **Aquifer Test:** No
- **Project:** Database: 1.000H
- **AEP Data:** Yes

### Remarks:
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Well Number:** 10731

**Well Owner:** Burnett Exp Ltd #317

**Elevation (AMSL) (m):** 725

**AEP:** 448119

**Date Started:** 12 Feb 78

**Northing:** 5,946,670.96

**Date Completed:** 12 Feb 78

**Licence No.:** Easting: 8,602.31

**Printed on:** 2/20/98
15-31-054-06 W5M

Well Owner: Texaco Canada #363
Drilling Contractor: Unknown Driller

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<tr>
<td>Type of Work: Flowing Shot Hole</td>
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<tr>
<td>Drilling Method: Unknown</td>
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<tr>
<td>Well Use: Industrial</td>
</tr>
<tr>
<td>Completed Depth (m):</td>
</tr>
<tr>
<td>NPWL (m):</td>
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<tr>
<td>Abandonment: Plugged 16 Oct 78</td>
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<table>
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<tr>
<th>Casing:</th>
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<tbody>
<tr>
<td>Type:</td>
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<td>Depth (m): Bottom (m):</td>
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<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Seal Type: from (m): to</td>
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<th>Liner:</th>
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<tr>
<td>Type:</td>
</tr>
<tr>
<td>OD (mm): Thickness (mm):</td>
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<tr>
<td>Top (m): Bottom (m):</td>
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<tr>
<td>Perforated How: from (m): to Size:</td>
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<th>Screen:</th>
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<td>Material:</td>
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<tr>
<td>OD (mm): from (m): to Size:</td>
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<td>from (m): to Size:</td>
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<th>Open Hole:</th>
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<td>from (m): to</td>
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<tr>
<th>Pump:</th>
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<tbody>
<tr>
<td>Model:</td>
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<td>Intake (m):</td>
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<th>Testing:</th>
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<td>Rate (lpm): Time (minute):</td>
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<tr>
<td>Level End (m): Drawdown (m):</td>
</tr>
<tr>
<td>Rec’d intake (m): Rec’d Rate (lpm):</td>
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<thead>
<tr>
<th>Laboratory:</th>
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<tbody>
<tr>
<td>pH (pH unit): COD Mercury</td>
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<tr>
<td>Cond. (µS/cm): SAR Nickel</td>
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<tr>
<td>TDS: TKN Selenium</td>
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<tr>
<td>Sodium: Nitrate Strontium</td>
</tr>
<tr>
<td>Potassium: Nitrite Molybdenum</td>
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<td>Calcium: TN Vanadium</td>
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<td>Magnesium: TC Zinc</td>
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<td>Aluminium: Barium Manganese</td>
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<td>TOC: Copper Total Alkalinity</td>
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<tr>
<td>Silica: Lead Nitrate&amp;Nitrite N</td>
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</table>

| Electric Log: No |
| Gamma Log: No |
| Aquifer Test: No |
| Project: Database: 1.000H |
| AEP Data: Yes Well Field Verified: No |

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27

1073215-31-054-06 W5M

Well Number 10732

Elevation (AMSL) (m): 744
Licence No.: 448120
Date Started: 8,613.72
Date Completed: 5,945,076.29

16 Oct 78

(No Lithologic Information Available)
Well Owner: Anderson, Fraser
Drilling Contractor: Unknown Driller

Well Number: 10733
Well Owner: Anderson, Fraser
Drilling Contractor: Unknown Driller

Elevation (AMSL) (m): 743
Licence No.: E:445118
Date Started: Not Applicable
Date Completed: 23 Nov 79

General:
Type of Work: Spring
Drilling Method: Not Applicable
Well Use: Unknown
Completed Depth (m): 
NPWL (m): 
Veriffied NPWL (m):
Abandonment: 

Casing:
Type: 
Depth (m): Bottom (m): 
OD (mm): Thickness (mm): 
Seal Type: from (m): to

Liner:
Type: 
OD (mm): Thickness (mm): 
Top (m): Bottom (m): 
Perforated How: from (m): to Size: 
from (m): to Size: 
from (m): to Size: 

Screen:
Material: 
OD (mm): from (m): to Size: 
from (m): to Size: 
from (m): to Size: 

Open Hole:
from (m): to 

Pump:
Model: Intake (m):

Testing:
Rate (lpm): Time (minute): 
Level End (m): Drawdown (m): 
Rec'd intake (m): Rec'd Rate (lpm):

Laboratory: 23 Nov 79
pH (pH unit): 8.40 COD Mercury
Cond. (µS/cm) 1692 SAR Nickel
TDS 1005 TKN Selenium
Sodium 396.98 Nitrate Strontium
Potassium 1.56 Nitrile Molybdenum
Calcium 89.98 TN Vanadium
Magnesium 1.95 TC Zinc
Carbonate DIC Hydroxide
Bicarbonate 1009.72 Arsenic Total Hardness 30.00
Aluminum Barium Manganese
Sulphate 92.22 Beryllium Phosphate
Chloride 1005 Cadmium Ion Balance 0.96
Fluoride 0.43 Chromium Amm. Nitrogen
Iron 0.06 Cobalt Total Phosphate
TOC Copper Total Alkalinity 836.0
Silica 13.60 Lead Nitrate&Nitrite N

Electric Log: No Transmissivity: m³/day
Gamma Log: No Storativity: 
Aquifer Test: No Project: 
AEP Data: Yes Database: 1.000H

Remarks:
Chemical Constituents are in mg/l (ppm). Except as noted.

Water Well Positioned by Mow-Tech in 10TM NAD 27
### General:
- **Type of Work:** New Well
- **Drilling Method:** Rotary
- **Well Use:** Domestic & Stock
- **Completed Depth:** 79.2 (m)
- **NPWL (m):** 33.5
- **Verified NPWL (m):**
- **Abandonment:**

### Casing:
- **Type:** Steel
- **Depth (m):** 31.4
- **Bottom (m):** 31.4
- **OD (mm):** 141.2
- **Thickness (mm):** 0.1
- **Seal Type:** Driven & Welded Ring
- **from (m):** to 31.7

### Liner:
- **Type:**
- **OD (mm):** 114.3
- **Thickness (mm):** 0.1
- **Top (m):** 30.5
- **Bottom (m):** 79.2
- **Perforated How:** Saw
- **from (m):** to 30.8
- **to (m):** 78.9

### Screen:
- **Material:**
- **OD (mm):**
- **from (m):** to Size:
- **from (m):** to Size:

### Open Hole:
- **from (m):** to

### Pump:
- **Model:** 18 St
- **Intake (m):** 76.2

### Testing:
- **Rate (lpm):** 36.5
- **Time (minute):** 240.0
- **Level End (m):** 74.7
- **Drawdown (m):** 41.2
- **Rec'd intake (m):** 76.2
- **Rec'd Rate (lpm):** 36.5

### Laboratory:
- **pH (pH unit):**
- **COD:**
- **SAR:**
- **TDS:**
- **TKN:**
- **Sodium:**
- **Nitrate:**
- **Strontium:**
- **Potassium:**
- **Nitrite:**
- **Molybdenum:**
- **Calcium:**
- **TN:**
- **Vanadium:**
- **Magnesium:**
- **TC:**
- **Zinc:**
- **Carbonate:**
- **DIC:**
- **Hydroxide:**
- **Bicarbonate:**
- **Arsenic:**
- **Total Hardness:**
- **Aluminum:**
- **Barium:**
- **Manganese:**
- **Sulphate:**
- **Beryllium:**
- **Phosphate:**
- **Chloride:**
- **Cadmium:**
- **Ion Balance:**
- **Fluoride:**
- **Chromium:**
- **Amm. Nitrogen:**
- **Iron:**
- **Cobalt:**
- **Total Phosphate:**
- **TOC:**
- **Copper:**
- **Total Alkalinity:**
- **Silica:**
- **Lead:**
- **Nitrate & Nitrite:**

### Water Well Positioned by PFRA in 10TM NAD 27

### Depth Elevation (BGL) (AMSL)

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<th>Lithologic Description</th>
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<td>4.9</td>
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<td>11.6</td>
<td>699.3</td>
<td>Sand &amp; Gravel</td>
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<td>21.0</td>
<td>689.8</td>
<td>Clay Gray</td>
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<td>29.9</td>
<td>681.0</td>
<td>Clay &amp; Rocks Mixed</td>
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<td>36.0</td>
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<td>42.4</td>
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<td>54.3</td>
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<td>75.0</td>
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<tr>
<td>77.7</td>
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<tr>
<td>79.2</td>
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<td>Sandstone Brown</td>
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### Electric Log: No  Transmissivity: m²/day  Gamma Log: No  Storativity:  Aquifer Test: No  Project: Database: 1.000H  AEP Data: Yes  Well Field Verified: No

Remarks:

Chemical Constituents are in mg/l (ppm). Except as noted.
**NW 31-054-06 W5M**

**Well Owner:** Semenya, Ernie  
**Drilling Contractor:** Unknown Driller

**Well Number:** 10735

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<td>Date Completed:</td>
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- **Licence No.:** Domestic
- **Driller:** Unknown Driller
- **Well Use:** Chemistry
- **Water Well Positioned by PFRA in 10TM NAD 27**

<table>
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<tr>
<th>Well Number:</th>
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<tbody>
<tr>
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<td>Driller:</td>
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<td>Chemistry</td>
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<td>8,183.19</td>
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<tr>
<td>Date Completed:</td>
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**General:**  
- Type of Work: Chemistry  
- Drilling Method: Unknown  
- Well Use: Domestic  
- Completed Depth: 45.7 m  
- NPWL (m):  
- Verified NPWL (m):  
- Abandonment:  

**Casing:**  
- Type:  
- Depth (m): Bottom (m):  
- OD (mm): Thickness (mm):  
- Seal Type:  
- from (m): to  

**Liner:**  
- Type:  
- OD (mm): Thickness (mm):  
- Top (m): Bottom (m):  
- Perforated How:  
- from (m): to Size:  
- from (m): to Size:  
- from (m): to Size:  

**Screen:**  
- Material:  
- OD (mm):  
- from (m): to Size:  
- from (m): to Size:  
- Open Hole:  
- from (m): to  

**Pump:**  
- Model: Intake (m):  

**Testing:**  
- Rate (lpm): Time (minute):  
- Level End (m): Drawdown (m):  
- Rec’d intake (m): Rec’d Rate (lpm):  

**Laboratory:** 11 Aug 83  
- pH (pH unit): 7.80  
- Cond. (µS/cm): 1493  
- TDS: 970.0  
- Sodium: 399.97  
- Potassium: 1.96  
- Calcium: 4.01  
- Magnesium:  
- Carbonate: 755.91  
- Bicarbonate:  
- Aluminium:  
- Sulphate: 190.20  
- Chloride: 
- Fluoride: 0.12  
- Iron: 0.32  
- TOC:  
- Silica: 12.90  
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Remarks:** Water Well Positioned by PFRA in 10TM NAD 27

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<tr>
<th>Laboratory Values</th>
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<tr>
<td>Cond. (µS/cm): 1493</td>
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<td>Iron: 0.32</td>
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<td>TOC:</td>
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<td>Silica: 12.90</td>
<td>Lead Nitrate&amp;Nitrite N</td>
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</table>

**Electric Log:** No  
**Transmissivity:** m²/day  
**Gamma Log:** No  
**Storativity:**  
**Aquifer Test:** No  
**Project:** Database: 1.000H  
**AEP Data:** Yes  
**Well Field Verified:** No
**General:**
- Type of Work: Coal Test Hole
- Drilling Method: Unknown
- Well Use: Industrial

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<th>(m)</th>
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<td>Verified NPWL (m):</td>
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**Abandonment:**
- Type: Unknown
- Depth (m):
- Bottom (m):
- OD (mm):
- Thickness (mm):
- Seal Type:
- from (m):
- to

**Liner:**
- Type:
- OD (mm):
- Thickness (mm):
- Top (m):
- Bottom (m):
- Perforated How:
- from (m):
- to
- Size:
- from (m):
- to
- Size:
- from (m):
- to
- Size:

**Screen:**
- Material:
- OD (mm):
- from (m):
- to
- Size:
- from (m):
- to
- Size:

**Open Hole:**
- from (m):
- to

**Pump:**
- Model:
- Intake (m):
- Rate (lpm):
- Time (minute):
- Level End (m):
- Drawdown (m):
- Rec'd intake (m):
- Rec'd Rate (lpm):

**Laboratory:**
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<th>pH (pH unit)</th>
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<tr>
<td>TDS</td>
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<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
</tr>
</tbody>
</table>

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**
- Water Well Positioned by Mow-Tech in 10TM NAD 27

**Printed on:** 2/20/98
**Well Number:** 10737  
**Well Owner:** Albrecht, Eric  
**Drilling Contractor:** Unknown Driller  
**Elevation (AMSL) (m):** 772  
**Licence No.:** AEP: 448121  
**Date Started:**  
**Easting:** 9,801.15  
**Northing:** 5,948,809.50  
**Date Completed:**

### General:
- **Type of Work:** Chemistry  
- **Drilling Method:** Unknown  
- **Well Use:** Domestic  
- **Completed Depth (m):** 
  - General:  
  - NPWL (m):  
  - Verified NPWL (m):  
- **Abandonment:**
  - **Type:**  
  - **Depth (m):** Bottom (m):  
  - **OD (mm):** Thickness (mm):  
  - **Seal Type:** from (m): to  

### Casing:
- **Type:**  
- **Depth (m):** Bottom (m):  
- **OD (mm):** Thickness (mm):  
- **Seal Type:** from (m): to  

### Liner:
- **Type:**  
- **OD (mm):** Thickness (mm):  
- **Top (m):** Bottom (m):  
- **Perforated How:** from (m): to Size:  
- **Size:** from (m): to Size:  
- **Size:** from (m): to Size:  

### Screen:
- **Material:**  
- **OD (mm):** from (m): to Size:  
- **Thickness (mm):** from (m): to Size:  

### Open Hole:
- **from (m):** to  

### Pump:
- **Model:**  
- **Intake (m):**  

### Testing:
- **Rate (lpm):** Time (minute):  
- **Level End (m):** Drawdown (m):  
- **Rec'd intake (m):** Rec'd Rate (lpm):  

### Laboratory:
- **pH (pH unit):** COD  
- **Cond. (µS/cm):** SAR  
- **TDS:** TKN  
- **Sodium:** Nitrate  
- **Potassium:** Nitrite  
- **Calcium:** TN  
- **Magnesium:** TC  
- **Carbonate:** DIC  
- **Bicarbonate:** Arsenic  
- **Aluminium:** Barium  
- ** Sulphate:** Beryllium  
- **Chloride:** Cadmium  
- **Fluoride:** Chromium  
- **Iron:** Cobalt  
- **TOC:** Copper  
- **Silica:** Lead  

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<th>Electric Log: No</th>
<th>Transmissivity: m²/day</th>
<th>Gamma Log: No</th>
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### Remarks:
Water Well Positioned by PFRA in 10TM NAD 27

Printed on 2/20/98
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<th>Transmissivity:</th>
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<td>Well Field Verified: No</td>
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</table>

Remarks:

Water Well Positioned by Mow-Tech in 10TM NAD 27
**General:**
- **Type of Work:** Spring
- **Drilling Method:** Not Applicable
- **Well Use:** Domestic
- **Completed Depth:** (m)
- **NPWL (m):** Verified NPWL (m)
- **Abandonment:**
  - **Casing:**
    - **Type:**
    - **Depth (m):** Bottom (m):
    - **OD (mm):** Thickness (mm):
    - **Seal Type:**
    - **from (m):**
    - **to:**
  - **Liner:**
    - **Type:**
    - **OD (mm):** Thickness (mm):
    - **Top (m):** Bottom (m):
    - **Perforated How:**
    - **from (m):** to Size:
    - **from (m):**
    - **from (m):**
  - **Screen:**
    - **Material:**
    - **OD (mm):**
    - **from (m):** to Size:
    - **from (m):**
    - **from (m):**
  - **Open Hole:**
    - **from (m):** to
  - **Pump:**
    - **Model:**
    - **Intake (m):**
  - **Testing:**
    - **Rate (lpm):**
    - **Time (minute):**
    - **Level End (m):**
    - **Drawdown (m):**
    - **Rec'd intake (m):**
    - **Rec'd Rate (lpm):**

**Laboratory:**
- **pH (pH unit):**
- **Cond. (µS/cm):**
- **TDS:**
- **Sodium:**
- **Potassium:**
- **Calcium:**
- **Magnesium:**
- **Carbonate:**
- **Bicarbonate:**
- **Barium:**
- **Sulphate:**
- **Chloride:**
- **Fluoride:**
- **Iron:**
- **TOC:**
- **Silica:**

- **COD:** Mercury
- **SAR:** Nickel
- **TKN:** Selenium
- **Nitrate:** Strontium
- **Nitrite:** Molybdenum
- **TN:** Vanadium
- **TC:** Zinc
- **DIC:** Hydroxide
- **Arsenic:** Total Hardness
- **Beryllium:** Manganese
- **Beryllium:** Phosphate
- **Cadmium:** Ion Balance
- **Chromium:** Amm. Nitrogen
- **Copper:** Total Phosphate
- **Copper:** Total Alkalinity
- **Lead:** Nitrate&Nitrite N

**Remarks:**
- Chemical Constituents are in mg/l (ppm). Except as noted.

**Depth Elevation**

<table>
<thead>
<tr>
<th>(BGL) (m)</th>
<th>(AMSL) (m)</th>
<th>Lithologic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(No Lithologic Information Available)</td>
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</table>

**Electric Log:** No
**Transmissivity:** m³/day
**Gamma Log:** No
**Storativity:**
**Aquifer Test:** No
**Project:** Database: 1,000H
**AEP Data:** Yes
**Well Field Verified:** No

Water Well Positioned by Mow-Tech in 10TM NAD 27

printed on 2/20/98
**Water Well Positioned by PFRA in 10TM NAD 27**

**Well Number:** 13532

**Well Owner:** Alta Env#81-5-D

**Drilling Contractor:** Larson’S Waterwell Servicing Ltd.

**Elevation (AMSL) (m):** 687

**AEP:** 376397

**Licence No.:** Easting: 57,826.06

**Date Started:** Northing: 5,927,461.50

**Date Completed:** 11 Sep 81

**13 Sep 81**

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<tr>
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<th>Lithologic Description</th>
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<td>(BGL) (AMSL)</td>
<td>(m)</td>
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<td>Drilling Method: Rotary</td>
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<td></td>
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<tr>
<td>Well Use: Observation</td>
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<tr>
<td>Completed Depth 61.0 (m)</td>
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<tr>
<td>NPWL (m):</td>
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<td>Verified NPWL (m):</td>
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<td>Abandonment:</td>
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<td>Bottom (m):</td>
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<td>OD (mm):</td>
<td>Thickness (mm):</td>
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</tr>
<tr>
<td>Seal Type: Unknown</td>
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<tr>
<td>from (m):</td>
<td>to</td>
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<table>
<thead>
<tr>
<th>Liner</th>
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<td>Type:</td>
<td>OD (mm):</td>
<td>Thickness (mm):</td>
</tr>
<tr>
<td>Top (m):</td>
<td>Bottom (m):</td>
<td></td>
</tr>
<tr>
<td>Perforated How:</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
<td>Size:</td>
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<tr>
<th>Screen</th>
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<td>Material: Pl</td>
<td>OD (mm): 0.6</td>
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<tr>
<td>from (m): 15.9 to 16.5 Size: 0.01</td>
<td>from (m):</td>
<td>to</td>
</tr>
<tr>
<td>from (m):</td>
<td>to</td>
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<table>
<thead>
<tr>
<th>Open Hole</th>
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</tr>
</thead>
<tbody>
<tr>
<td>from (m):</td>
<td>to</td>
<td></td>
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<thead>
<tr>
<th>Pump</th>
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<tbody>
<tr>
<td>Model:</td>
<td>Intake (m):</td>
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</tr>
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<table>
<thead>
<tr>
<th>Testing</th>
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<tr>
<td>Rate (lpm):</td>
<td>Time (minute):</td>
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<tr>
<td>Level End (m):</td>
<td>Drawdown (m):</td>
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<td>Rec’d intake (m):</td>
<td>Rec’d Rate (lpm):</td>
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<tr>
<td>pH (pH unit)</td>
<td>COD</td>
<td>Mercury</td>
</tr>
<tr>
<td>Cond. (µS/cm)</td>
<td>SAR</td>
<td>Nickel</td>
</tr>
<tr>
<td>TDS</td>
<td>TKN</td>
<td>Selenium</td>
</tr>
<tr>
<td>Sodium</td>
<td>Nitrate</td>
<td>Strontium</td>
</tr>
<tr>
<td>Potassium</td>
<td>Nitrite</td>
<td>Molybdenum</td>
</tr>
<tr>
<td>Calcium</td>
<td>TN</td>
<td>Vanadium</td>
</tr>
<tr>
<td>Magnesium</td>
<td>TC</td>
<td>Zinc</td>
</tr>
<tr>
<td>Carbonate</td>
<td>DIC</td>
<td>Hydroxide</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>Arsenic</td>
<td>Total Hardness</td>
</tr>
<tr>
<td>Aluminium</td>
<td>Barium</td>
<td>Manganese</td>
</tr>
<tr>
<td>Sulphate</td>
<td>Beryllium</td>
<td>Phosphate</td>
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<tr>
<td>Chloride</td>
<td>Cadmium</td>
<td>Ion Balance</td>
</tr>
<tr>
<td>Fluoride</td>
<td>Chromium</td>
<td>Amm. Nitrogen</td>
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<tr>
<td>Iron</td>
<td>Cobalt</td>
<td>Total Phosphate</td>
</tr>
<tr>
<td>TOC</td>
<td>Copper</td>
<td>Total Alkalinity</td>
</tr>
<tr>
<td>Silica</td>
<td>Lead</td>
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</table>

**Remarks:**

Chemical Constituents are in mg/l (ppm). Except as noted.

**AEP Data:** Yes Well Field Verified: No

**Project:** Database: 1.000H

**Aquifer Test:** No

**Gamma Log:** No Storativity:

**Electric Log:** Yes Transmissivity: m²/day

**AEP Data:** Yes

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

---

**Printed on 2/20/98**
**NW 10-058-06 W5M**

**Well Owner:** Aphery, Richard  
**Drilling Contractor:** Sunshine Drilling Ltd.  
**Elevation (AMSL) (m):** 648  
**Licence No.:** 382096  
**Date Started:** 22 Feb 90  
**Easting:** 17,166.10  
**Date Completed:** 23 Feb 90  
**Northing:** 5,921,612.00

### General:
- **Type of Work:** New Well  
- **Drilling Method:** Rotary  
- **Well Use:** Domestic & Stock  
- **Completed Depth:** 106.7 (m)  
- **NPWL (m):** 25.9  
- **Verified NPWL (m):**  
- **Abandonment:**  
- **Type:** Steel  
- **Depth (m):** 39.0  
- **Bottom (m):** 39.0  
- **OD (mm):** 141.2  
- **Thickness (mm):** 0.1  
- **Seal Type:** Welded Ring  
- **from (m):** to 38.7  
- **Type:**  
- **OD (mm):** 114.3  
- **Thickness (mm):**  
- **Top (m):** 33.5  
- **Bottom (m):** 106.7  
- **Perforated How:** Machine  
- **from (m):** to 106.4  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **Material:**  
- **OD (mm):**  
- **from (m):** to  
- **Size:**  
- **from (m):** to  
- **Size:**  
- **Bottom (m):**  
- **Open Hole:**  
- **from (m):** to  
- **Pump:**  
- **Model:**  
- **Intake (m):** 76.2  
- **Testing:**  
- **Rate (lpm):** 18.2  
- **Time (minute):** 2.0  
- **Rec'd Intake (m):**  
- **Rec'd Rate (lpm):** 18.2

### Lithologic Description

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<th>Depth (m)</th>
<th>Elevation (BGL) (m)</th>
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<tr>
<td>7.9</td>
<td>639.6</td>
<td>Brown Clay &amp; Rocks</td>
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<tr>
<td>11.6</td>
<td>636.0</td>
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<td>14.9</td>
<td>632.6</td>
<td>Gray Sand</td>
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<td>35.4</td>
<td>612.2</td>
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<td>39.9</td>
<td>607.6</td>
<td>Green Sandstone</td>
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<td>75.9</td>
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<td>Salt &amp; Pepper Sandstone</td>
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<td>97.8</td>
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<td>106.7</td>
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### Laboratory:

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<tr>
<td>pH (pH unit)</td>
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<td>Mercury</td>
</tr>
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<td>Silica</td>
<td>Lead</td>
<td>Nitrate &amp; Nitrite N</td>
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<tr>
<td>Chloride</td>
<td>AEP Data: Yes</td>
<td>Well Field Verified: No</td>
</tr>
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</table>

**Remarks:**

Water Well Positioned by PFRA in 10TM NAD 27

**Chemical Constituents are in mg/l (ppm). Except as noted.**

**print on 2/20/98**
Well Owner: Harke, Anna
Drilling Contractor: Unknown Driller

General:
- Type of Work: Chemistry
- Well Use: Domestic
- Completed Depth (m): 4,218.55
- NPWL (m): Unknown
- Verification of NPWL (m): Domestic
- Abandonment: None

Casing:
- Type: Unknown
- Depth (m): Unknown
- Bottom (m): Unknown
- OD (mm): Unknown
- Thickness (mm): Unknown
- Seal Type: None
- from (m): Unknown
- to: Unknown

Liner:
- Type: Unknown
- OD (mm): Unknown
- Thickness (mm): Unknown
- Top (m): Unknown
- Bottom (m): Unknown
- Perforated How: None
- from (m): Unknown
- to: Unknown
- Size: Unknown

Screen:
- Material: Unknown
- OD (mm): Unknown
- Thickness (mm): Unknown
- from (m): Unknown
- to: Unknown
- Size: Unknown

Open Hole:
- from (m): Unknown
- to: Unknown

Pump:
- Model: Unknown
- Intake (m): Unknown

Testing:
- Rate (lpm): Unknown
- Time (minute): 0
- Level End (m): Unknown
- Drawdown (m): Unknown
- Rec’d intake (m): Unknown
- Rec’d Rate (lpm): Unknown

Laboratory:
- pH (pH unit): Unknown
- COD: Mercury
- Cond. (µS/cm): SAR: Nickel
- TDS: TKN: Selenium
- Sodium: Nitrate: Strontium
- Potassium: Nitrite: Molybdenum
- Calcium: TN: Vanadium
- Magnesium: TC: Zinc
- Carbonate: DIC: Hydroxide
- Bicarbonate: Arsenic: Total Hardness
- Aluminium: Barium: Manganese
- Sulphate: Beryllium: Phosphate
- Chloride: Cadmium: Ion Balance
- Fluoride: Chromium: Amm. Nitrogen
- Iron: Cobalt: Total Phosphate
- TOC: Copper: Total Alkalinity
- Silica: Lead: Nitrate&Nitrite N

Chemical Constituents are in mg/l (ppm). Except as noted.

Remarks:

Water Well Positioned by PFRA in 10TM NAD 27

Electric Log: No
Gamma Log: No
Aquifer Test: No
Chemical Constituents are in mg/l (ppm). Except as noted.

Well Number 16987
- Elevation (AMSL) (m): 635
- AEP: 382330
- Licence No.: Unknown
- Date Started: Unknown
- Date Completed: Unknown
- Northing: 5,942,392.50
- Easting: 4,218.55

Database: Project: AEP Data: No Well Field Verified: No